

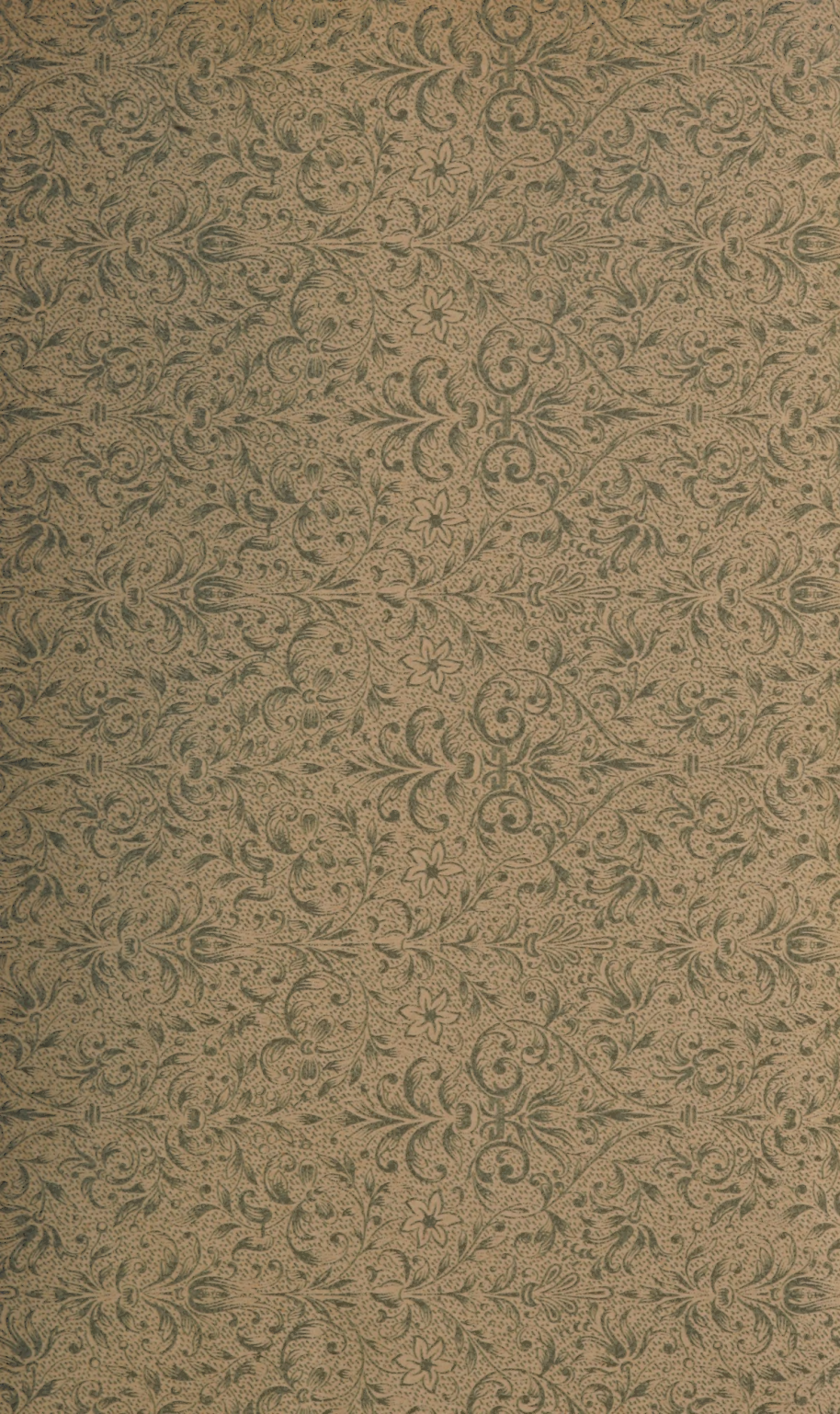


Board of Aldermen























# CITY DOCUMENTS.

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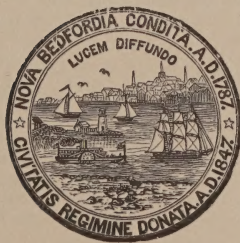
## MAYOR'S ADDRESS

TO THE CITY COUNCIL,

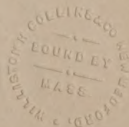
## CITY GOVERNMENT,

ANNUAL REPORTS, ETC.,

FOR THE YEAR 1895-96.



NEW BEDFORD:  
MERCURY PUBLISHING COMPANY, CITY PRINTERS.  
1896.







# CONTENTS.

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1. Inaugural address of Hon. David L. Parker, Mayor, 24 pages.	
2. Municipal Register for 1896, 24 pages.	
3. Water Report, 103 pages.	
Members and officers of the New Bedford Water Works, . . . . .	2
Twenty-sixth Annual Report of the Board, . . . . .	3-13
Report of the Water Registrar, . . . . .	14-19
Report of the Superintendent, . . . . .	20-40
Rainfall at Storing Reservoir, at Pumping Station, and as registered by T. R. Rodman. . . . .	41-43
Summary of monthly meteorological observations at the pumping station, opposite page 42.	
Work Done by the Pumping Engines, . . . . .	44-46
List of Meters, Motors, Mains, Gates and Hydrants, . . . . .	47-93
Summary of Statistics, . . . . .	94-103
4. Free Public Library, 26 pages.	
Officers of the Library, . . . . .	2
Report of the Trustees, . . . . .	3-11
Statistics, . . . . .	12-13
Financial Statement, . . . . .	14-19
Gifts to the Library, . . . . .	20-25
5. Fire Department Report, 65 pages.	
Organization of the Fire Department, . . . . .	3-4
Nineteenth Annual Report of the Chief Engineer . . . . .	5-9
Statement of Expenditures, . . . . .	10
Fire Department Roll, . . . . .	11-24
Fire Alarms, Losses and Insurance for 1895, . . . . .	25-36
Fire Alarm Telegraph, . . . . .	37-45
Location of Reservoirs, . . . . .	46
Location of Hydrants, . . . . .	47-64
6. School Report, 95 pages.	
Statistics, . . . . .	3-9
Expenditures, . . . . .	9-14
Sylvia Ann Howland Fund, . . . . .	11-14
Text-Books and Supplies, . . . . .	15-16
The Increasing Cost of Schools, . . . . .	16-18
Comparative Cost of Schools, . . . . .	18-19
Schoolhouses, . . . . .	19-20
Graduating Class of High School, . . . . .	21-23
Votes of Thanks, . . . . .	24
Rates of Tuition for Non-Resident Pupils, . . . . .	25
Rules Governing Teachers' Salaries, . . . . .	26
Description of Schoolhouses, . . . . .	27
School Calendar, 1896, . . . . .	28
Statistics of Attendance, . . . . .	29-34
Names of Text-Books used in the Different Schools . . . . .	35-44

Organization of the School Committee, 1895-1896 . . .	45-48
Annual Report of Superintendent, . . . . .	49-87
In Memoriam, Miss Mary B. White, . . . . .	81
List of Teachers and their Salaries, . . . . .	88-95
7. Board of Health, 16 pages.	
8. Finance Report, 176 pages.	
Auditor's General Statement of Receipts and Expenditures, . . . . .	4-8
The same in detail, . . . . .	9-136
Bonded Debt of the City, . . . . .	137-138
Taxes and Valuation since 1876, . . . . .	139
Schedule of City Property, . . . . .	140-143
Auditor's Balance Sheet, . . . . .	144-145
Annual Report of the City Treasurer, . . . . .	156-163
Annual Report of the Collector of Taxes, . . . . .	149-151
Annual Report of the Sinking Fund Commissioners, . .	167-172
9. Report of the Chief of Police, 21 pages.	
10. Report of the Board of Public Works, 50 pages.	
Organization for 1895-96, . . . . .	3
Population, Valuation, etc., of the City, 1895, . . . .	4
Report of the Board, . . . . .	5-12
Appropriations and Expenditures for 1895, . . . . .	13-14
Expenditures on Highways and Streets for 1894-95, . .	14
Expenditures on General Sewers for 1894-95, . . . . .	14
Superintendent's Report to the Board, . . . . .	15-22
Description and Cost of Work on Streets, . . . . .	23-40
Recapitulation, . . . . .	41-49
11. Report of the Engineering Department, 37 pages.	
Report of City Engineer, . . . . .	3-26
Detail of sewers constructed in 1895, opposite page 26.	
New Streets Laid Out and Accepted in 1895, . . . . .	27
Street Location Altered in 1895, . . . . .	27
Streets Laid Out and Not Accepted in 1895, . . . . .	28
Street Widening Laid Out and Accepted in 1895, . . . .	29
Street Levels and Grades, . . . . .	30-32
Streets Numbered, . . . . .	33
Miscellaneous Work Done, . . . . .	34-37
12. Superintendent of Public Buildings, also Inspector of Buildings, 8 pages.	
13. Report of the Overseers of the Poor, 14 pages.	
Organization of the Board, . . . . .	3
Report of the Board, . . . . .	5-12
Report of the Physician to the Board, . . . . .	13
14. Report of the Department of Parks, 31 pages.	
Organization of the Board, . . . . .	3
Report of Park Commissioners, . . . . .	5-7
Report of Superintendent of Parks, . . . . .	11-15
Expenditures for the Year 1895, . . . . .	19-30
15. Report of Cemetery Board, 8 pages.	
16. Report of the Inspector of Milk, Provisions and Cattle, 6 pages.	
17. List of Jurors, 20 pages.	
18. City Ordinances, 16 pages.	



1896—CITY DOCUMENT No. 1.

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ADDRESS  
OF  
DAVID L. PARKER,  
MAYOR OF NEW BEDFORD,  
TO THE  
CITY COUNCIL,

January 6, 1896.



NEW BEDFORD:  
MERCURY PUBLISHING COMPANY, CITY PRINTERS.  
1896.





## ADDRESS.

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*Gentlemen of the City Council:*

In taking the oath of office for the second time, I desire to thank the people of New Bedford for the renewed expression of their confidence. It is very gratifying after a canvass so unique and unusual in some of its characteristics, that so many citizens standing alone in the voting booth should declare in such ringing and emphatic tones their belief that the affairs of the city had been managed from the standpoint of honesty and public spirit, and that whatever errors might have crept in were of the head, and not of the heart.

I also congratulate you, gentlemen of the council, that you have been selected to assume this important trust for the year to come; I hope we may be able to look back at the end of our term with pride and satisfaction at the result of our labors, and that the friendships formed here in working together for the common weal, may last long after we have laid aside the cares and responsibilities of office and retired to private life.

The fact that we have been summoned by our fellow citizens to the discharge of these manifold duties, should

stimulate us to prove worthy of their good opinion, and devote ourselves to the business before us unselfishly and energetically.

This is the season of the year for pledges and good resolutions. I suggest that each member of this body now resolve, if he has not already done so, that he will religiously set aside for our meetings two Thursdays in each month, so that every seat may be filled when the separate branches are called to order.

Attendance at committee meetings is even more important, as, under the present system of government, many subjects are passed upon in committee to be ratified by the whole council.

Last year in coming into this time honored building to take the oath of office, many of us were depressed by its slouchy and dingy condition. I take pleasure in referring to its present bright and cheerful aspect, though the remark is not really needed; the hall speaks for itself. Even George Washington, whose memory every true American must always cherish, looks smilingly down on us today as if in approval, not only of his own improved appearance, but of his tidy and pleasant surroundings. The committee in charge, the members of the government of last year, and the people generally, are to be congratulated on the complete transformation that has been effected. I recommend that when the season opens, the grounds in City Hall square shall be made to compare favorably with the interior of the building.

We are here today clothed with authority derived from the highest of all human sources, the people at the ballot



box. I urge you to be prompt and zealous in the exercise of your official functions, that every subject brought to your attention may receive fitting and thoughtful treatment; that the needs of our constituents, individually and collectively, may be thoroughly considered, and that you may guard well the people's money, passing only those appropriations which are necessary to the truest and broadest development of the municipality.

In these aims and efforts I pledge you my earnest co-operation, and trust that we shall do nothing to check the growing magnitude of our business interests, but assist in every proper and legitimate way to make New Bedford physically, morally, and financially, one of the most thriving and enterprising cities in the state.

### FINANCIAL.

From the usual statements furnished to me by the proper accounting officers, I am enabled to present the following brief account relative to the finances of our city, setting forth the several transactions for the year, together with our present condition :

#### TAXES.

The assessments for the year 1895 were as follows :

State tax,	\$30,915.00	
County tax,	78,760.33	
City tax,	698,545.00	
Overlay,	31,077.77	\$839,298.10
Collections,		808,016.57
		<hr/>
Balance unpaid,		\$31,281.53

But  $3\frac{75}{100}$  per cent. of the taxes of 1895 remains unpaid. Of the taxes of 1894 and previous year, \$18,882.51 was collected.

The rate of taxation in 1895 was \$15.40, 20 cents less than in 1894, and the lowest for many years. In my opinion, it will be possible the present year, with the anticipated increase in valuations, together with the receipts to be derived from corporation taxes, and other sources, to provide for all that may be required for municipal purposes without any material increase in the rate over that of 1895.

The amount due for corporation taxes for 1895, as stated by the tax commissioners, was \$64,506.10; of this sum \$61,477.29, was received in settlement with the state treasurer on the 10th of December last.

#### RECEIPTS AND EXPENDITURES.

The receipts and expenditures for the year, including balance in the treasury, Jan. 7, 1895, have been as follows:

Balance, Jan. 7, 1895,	\$179,395.66	
Taxes, 1895, and previous years,	670,806.40	
Liquor licenses,	63,851.25	
Temporary loans,	380,000.00	
Water Rates,	98,150.05	
Other sources,	449,884.19	\$1,842,087.55

#### EXPENDITURES.

Temporary loan,	\$380,000.00	
Permanent debt, principal and interest,	216,798.64	
Sinking funds,	71,500.00	
Other city purposes,	1,171,141.06	
Balance,	2,647.85	\$1,842,087.55

The means for the payment of the permanent debt, principal and interest, were derived from the following



named sources: Appropriations by city council, \$99,745; commissioners of sinking funds, \$80,000; from water rates, \$42,000; total as above, \$216,798.64.

It is estimated that the receipts for 1896 from corporation taxes, liquor licenses, and city departments, not including water rates, will amount to \$177,000.

#### APPROPRIATIONS.

The appropriations for the year were as follows:

Permanent debt,	\$99,745.00	
Sinking funds,	64,800.00	
Municipal departments,	577,000.00	\$741,545.00

#### SPECIAL APPROPRIATIONS.

Crusher plant,	\$7,000.00	
Coggeshall st. bridge,	6,000.00	
Engine and boiler house, city stable,	1,500.00	
Repairs City Hall,	7,900.00	
School house—Clark street,	31,546.68	
Phillips avenue,	32,500.00	
School house lot, Phillips avenue,	3,920.00	
Widening—Brock avenue,	4,452.67	
Fourth street,	22,783.10	
Union street,	22,465.00	
Park commission,	10,500.00	
Sundry departments,	76,750.00	
Sundry sewers,	29,700.00	\$257,017.45
Total appropriations, 1895,		<hr/> \$998,562.45
Special appropriations, as above,		\$257,017.45
Transfer from unappropriated funds,	\$38,500.00	
Amount due from betterments,	24,368.61	
Amount due from sewer taxes,	7,504.24	\$70,372.85
Amount to be provided for in 1896,		<hr/> \$186,644.60

#### MUNICIPAL DEBT.

The debt of the city at this date is as follows:

Water bonds,	\$720,000.00
Park loan 4s,	100,000.00

Improvement bonds 6s,	\$171,000.00	
Improvement bonds 4s,	500,000.00	
Improvement bonds 3½s,	60,000.00	\$731,000.00
Sewer bonds 4s,	\$481,000.00	
Sewer bonds 3½s,	75,000.00	556,000.00
Gross bonded debt,		\$2,107,000.00

## TRUST FUNDS.

Sylvia Ann Howland water debt,	\$100,000.00	
Library and other funds,	42,000.00	\$142,000.00
		\$2,249,000.00
Special appropriations, 1895,		\$186,644.60
Total debt, including special appropriations to be provided for,		\$2,435,644.60

## DEDUCT—ASSETS.

Due from state soldiers aid,	\$10,532.00	
Due from state corporation taxes,	3,600.00	
Betterments,	24,368.61	
Sewer taxes, constructions, 1895,	7,504.00	
Taxes collectable,	32,000.00	
Sinking funds,	373,173.45	\$451,178.06
Net debt Jan. 6, 1896,		\$1,984,466.54

For many years during the months of November and December the city has been obliged to call for extra loans to meet outstanding indebtedness; the past year, however, we were not forced to resort to that course. All notes issued in anticipation of the taxes of 1895 have been paid.

After providing for the special appropriation for 1895, as given in the above statement, we shall then be at least \$150,000 from our debt limit.

## WHARVES.

This subject has been before the government in various phases during the past year. The discussion started at a



largely attended meeting of the board of trade held last March, at which the unanimous opinion was expressed that the city should own some portion of its water front. Since that time by vote of the council, \$30,000 has been offered for Taber's wharf, and although no papers have been passed I have been told informally that the owners have agreed to accept the offer, and that the necessary documents are being signed as fast as possible.

The principal question now before us is the purchase of the Rotch wharves for \$22,000. The city's option was to expire at noon Friday, Dec. 27th, 1895, and believing that the sentiment of the community strongly favored the purchase, I exercised this option on behalf of the city, and the privilege continues and the property is transferable to the city should you in your wisdom decide to complete the arrangement thus initiated.

A gentleman of ample means and good judgment has stated that he will give \$1,000 bonus for this option.

Should your views of the utility of this purchase differ from mine, have no anxiety about me; do what is best for the interests which you have just sworn to protect and represent.

I have many personal friends in the present city council. It is possible that some of them might feel that as I have taken this action they should stand by me. I do not think gentlemen, that this question should be decided from any such standpoint. If it is for the public good for us to complete this purchase for the city, complete it: if not, vote it down. In any event I will look out for myself, and ask no consideration whatever in a personal way at your hands.

The Rotch wharves occupy the best site, and possess the best water and dockage facilities, in the city. If after your action I am left free to dispose of them for my own benefit, I am inclined to think they will prove to be the most valuable Christmas gift from a pecuniary standpoint which I have received this year.

I have no feeling of antagonism against any one arising out of this subject. Some of the members of the Corson Coal company are friends whom I would go out of my way to oblige, and whose good opinion I value; but the question should be settled on a higher plane than that of friendship; the only barometer in the matter is the interest of the people, and the greatest good of the greatest number.

In my opinion New Bedford should own the four adjoining wharves; the three mentioned, and Central wharf if it can be purchased at a fair price.

One of the chief glories of a seaport city is its water front. If our harbor is not to be readily accessible to those who dwell within our borders, we might as well live on the mountains of Maryland, or the plains of Kansas. Let us do our part to save to the citizens of New Bedford forever a glimpse of the sparkling waters of our own fair Acushnet, and keep the control in the hands of the city, so that our children's children may be able in the future to take advantage of this access to the broad highway of commerce, and labor with the energy that has always characterized the sons of New Bedford to bring back the reputation that we once enjoyed of being one of the leading seaports of the world.

## GRADE CROSSINGS.

The present railroad from New Bedford to Taunton was completed and opened to the public July 2d, 1840; there were but four trains a day, two outward and two inward. The population of the city at this time was about 13,000. That part of the city east of the railroad and north of what is now Wamsutta street, was a wilderness; it is not to be supposed, therefore, that the grade crossings gave any one serious concern at that time. July 1st, 1873, the extension of the railroad along the water front to the foot of School street, was completed. Today there are nine corporations east of the track at the "north end," with an assessed valuation of over \$7,000,000, employing 6,000 hands daily, and requiring for the operation of their business the transportation yearly of thousands of tons of coal, cotton, and other material, much of which is compelled to cross the tracks of the railroad at least once, and some of it twice.

A moment's thought will show how serious a question it is to make any change in the grades of the streets over which this traffic must pass that will increase the expense of cartage. Every possible effort should be made to reduce the difficulties of traffic rather than increase them.

While there have been but few fatal accidents at any of the crossings, the narrow escapes have been sufficiently numerous to keep their dangerous character constantly before the public, so that a climax was reached when it was proposed in the preparation of the plans for the new bridge to Fairhaven, to perpetuate a grade crossing at the present approach to the bridge. As a result of the popular expression on this occasion, the superior court, on petition



of the mayor and board of aldermen, appointed three commissioners under the provisions of the law of 1890, to decide how the grade crossings in this city should be abolished.

At the instance of the committee on grade crossings, the council appropriated Nov. 21st \$2,000, to enable the engineering department to thoroughly investigate the situation and prepare careful surveys, plans and estimates so that the general scheme to be adopted by the city for its best interests, can be intelligently decided upon.

At the suggestion of the city engineer, Mr. George A. Kimball of Boston has been engaged to serve as consulting engineer, and it might be added that the city is fortunate in securing the services of this gentleman, whose connection with the original grade crossing commission of the state, and also as consulting engineer to the city of Brockton in their recent work of abolishing grade crossings, makes his advice of special value on such matters.

There are sixteen crossings named in the petition, so that the investigation is not as many supposed simply to settle the matter of the bridge crossing; but covers virtually all the crossings of the New York, New Haven & Hartford railroad within the limits of the city.

From the town line at Braley's to the present terminus of the railroad at the foot of School street is a distance of 7.4 miles; to this should be added the length of the Fall River branch, which is about  $2\frac{1}{8}$  miles, and includes two very important crossings. On the main line there are a number of crossings not mentioned in the petition. There are also many private crossings not mentioned; but these

by act of legislature of 1894 may be considered by the commission if they so choose, and abolished in the same manner as prescribed for the regular crossings.

While we have not yet progressed far enough to formulate a scheme to advocate in the name of the city, it might be of interest to describe here the several methods for abolishing the crossings which are sufficiently feasible to warrant consideration.

From Weld street north, several methods are available and practicable, both for the main line and the Fall River branch, the chief questions concerning their relative value being those of cost and damage to private rights.

1st. The railroad may be elevated, and the streets left as now.

2d. The streets may be elevated, and the railroad left intact as at present.

3d. The railroad may be depressed, and the streets carried over the tracks, but otherwise left as at present.

4th. A partial depression of the railroad with sufficient elevation of the streets to provide the required head room.

5th. The partial depression of the streets and elevation of the railroad.

From Weld street south, however, we have not such a latitude of action; in fact, leaving out the question of relocation, there are but two ways, and one of these is only partial in its relief of the trouble.

1st. Elevation of the railroad.

2d. Elevation of the streets.

And in the latter case only Logan street, Wamsutta street, and the bridge could be elevated, as there is not

room enough east of the railroad to construct approaches for any of the other crossings. These are but very brief mentions of the methods which have got to be studied in all their various bearings to the public interests.

A few of the points liable to arise in such an investigation, and which have been anticipated by law, are briefly as follows :

1st. If a street is carried over the railroad, it must be high enough to give eighteen feet of clear head room between the tracks and the superstructure of the bridge. Nothing is said in regard to the amount of head room to be given the streets if the railroad is carried over. Practice in other cities, however, has fixed this height at about fourteen feet.

2d. In the matter of future maintenance it is interesting to note that the law provides that when the public way crosses the railroad by an overhead bridge, the framework of the bridge and its abutments shall be maintained by the railroad, while the surface of the same, and its approaches, shall be maintained by the city : but when the public way passes under the railroad, the bridge and its abutments shall be maintained by the railroad, and the public way and its approaches shall be maintained by the city. As the abolition of these crossings must be a final adjustment of the trouble for years to come, the question of maintenance becomes a more serious one than it appears at first mention of the subject.

From what has been said, it will be evident that we can give no accurate estimate of the probable cost as yet. Mr. John D. Fouquet, in his report to the city council of



1893, estimated the cost of the following overhead crossings, Nash road, Purchase street, Sawyer street, Clark street, Weld street, Wamsutta street, Acushnet avenue, Wall street and the bridge at \$610,000 ; but land damages and the cost of changing grades of connecting streets were left out of the estimate. His estimate for raising the grade of the railroad from a point north of Nash road, by solid fill to south of Wamsutta street, and thence by wood and iron structure to the south of the bridge was \$1,000,000. But little would have to be added to this estimate for damages.

In Brockton where the railroad was elevated through the main part of the city, depressed at other points and the streets elevated at still other points, it is now expected that the total cost of the work, including land damages, will reach two and a half million dollars. Brockton has a population of about 27,000, and its total assessed valuation is \$21,000,000. New Bedford, with its population of 55,000 and valuation of \$52,000,000, can hardly be accused of extreme vanity if it ask to be dealt with in equally as liberal spirit.

### FIRE DEPARTMENT.

The fire loss for 1895 was \$55,000.00, insurance on the property amounting to \$209,000.00. During the year there have been fifty-seven bell alarms, but I am glad to say only three fires of any moment: the cotton fire on Front street, Swift's clothing store, and the dye house on Purchase street.

New Bedford people have abundant reason to feel satis-

fied with its fire department; we have the highest authority for knowing a tree by its fruits, and judged on this basis, our firemen rank among the very best in the United States.

The combination chemical engine purchased during the year has proved to be a valuable addition to the apparatus; at the fire on Stapleton street this engine, in connection with the hand extinguishers, subdued the flames almost without water. The insurance agent who settled the loss spoke in terms of warmest praise of the efficient manner in which the fire was handled. Eventually more chemical engines will probably be stationed in different parts of the city, as their value is being universally recognized.

### WATER WORKS.

A year ago I gave quite fully the plans as far as they were then matured, for the new water supply; in a work of such magnitude necessarily at first there is much to do in the way of engineering and elaborating the details of construction. The actual visible work has been mainly confined to the storing reservoir at High Hill, which is the highest land in this vicinity.

The road passed directly over the highest part of the hill. As it is essential to locate the reservoir at the point of greatest elevation, this land was taken and a new road constructed around the reservoir to take the place of the old way. Work on the reservoir has been pushed with as much rapidity as is consistent with quality. Our engineers, Messrs. Rice and Evans, have carefully inspected the materials used by the contractors, and have spared no

pains to see that the work is superior in every respect, and that we may have a reservoir which will stand the test of time.

Specifications of the 36-inch cast-iron pipe leading from High Hill to the city have been submitted to the principal manufacturers of the country, and the contract has been awarded to the lowest bidders, the Warren Foundry & Machine Company, of New Jersey. This pipe will be laid during the coming summer.

The board has also given attention to procuring pumping engines to force the water from the ponds to the High Hill reservoir, and has engaged Mr. Leavitt of Cambridge to draw the plans. Mr. Leavitt's reputation as a designer is second to none, and the records of his engines in Boston and elsewhere for high duty and durability are a sufficient guarantee that he can be trusted with the most difficult and intricate work.

The water of the Quittacus ponds is exceptionally fine in quality and white in color. When the new supply is ready for use we will not only appreciate the increased pressure, giving a ready flow at any altitude, but to quote from the report of the water board soon to be submitted to the council. "When the white water has been directly conveyed into the homes of our citizens uncontaminated by having to pass through the coloring vat of our old reservoir, we shall all revel in its pure whiteness on our tables, and a return to the healthful but amber colored fluid of the present day could never be tolerated by our people."

I cannot leave this part of my address without referring



to the truly magnificent manner in which the New Bedford water board has secured the major part of the land fronting on the Quittacus ponds at a reasonable cost. As the ex-officio members have had but little to do with these negotiations, I can freely express, without shocking my modesty or your sensibilities, my admiration of the keen business judgment, and high-minded devotion to the city's welfare, present and future, displayed by Messrs. Kempton, Tripp and Wood in the acquirement of these lands.

All progressive cities now recognize that it is of the utmost importance to control the land adjacent to their water supply, in order that there may be no danger of contamination in an article so essential to municipal every day life and health.

New Bedford now owns or controls three quarters of the land around the Quittacus ponds; it is estimated that the cost of the entire frontage will not exceed \$100,000. Many cities not larger than our own have had, and will have to pay many times this amount for the same property, and in this case, with a little carelessness and bungling, this territory might easily have cost a quarter of a million dollars.

New Bedford has a reputation with traveling men, who deal in municipal wares, as a place where the public officials deal honestly and for the interest of the city which they serve. This land transaction has helped to intensify and augment that reputation all over the country.

Sometimes we are apt to think that honesty is a forgotten virtue, that every one is ruled by selfish motives, that there is no such thing as genuine disinterested public

spirit. These men, our fellow citizens, aided by the long real estate experience of Mr. Thomas B. Tripp, have by their faithful attention to duty, and the exercise of the same care in spending the people's money, as if it were their own, brought home to us the happy refreshing truth that there are officials who have an eye only to the general welfare, and are guided by the most conscientious ideas of the obligations involved in assuming a public trust.

### BUILDING STATISTICS.

The building operations of a city are a good indication of its enterprise and growth. In my last inaugural I expressed the opinion that because of the panic and business prostration there would be no material increase this year in our industries and population; but I underated the zeal and activity of our business men. While there has been no fictitious boom in our affairs, the figures show a gratifying increase over 1894.

Total number of building permits, 1894,	369
Total number of building permits, 1895,	576
Value of buildings, 1894,	\$800,000
Value of buildings, 1895,	1,300,000
Number of houses erected during the year,	255
Containing a total number of tenements,	527

Recognizing the necessity for additional school accommodations, contracts have been made for two new school houses, one on Clark street, and one on Phillips avenue, at a cost, including heat and ventilation, of about \$32,000 each. These are solid, substantial structures, contracted for at a reasonable price, attention having been paid in the plans to comfort and convenience, rather than to showy ornamentation.

The Clark street building is roofed in, and will be finished in time for the April term.

The Phillips avenue house was begun in November, and considering the season of the year, the work has progressed well. Believing that it is not good judgment to lay brick walls in winter, the basement has been covered until spring.

The building will probably be ready for use at the beginning of the next school year, September, 1896.

The Clarke street lot was unsuitable for the purpose designed, owing to its steep grade. The lot cost in round numbers \$6,000; in addition it will take nearly \$5,000 to grade it properly.

The council cannot too carefully examine into the grade, size and location of a lot intended for a school building, as well as its proximity to water pipes and suitable sewerage.

There should be a school house erected as soon as possible in the south western part of the city, as the demand for accommodations is greater than the buildings in that section can at present supply.

## POLICE.

The administration of the police department has been of such a character as to gain the confidence of the people. Under the able management of the present chief I believe the general efficiency of the force has been greatly increased, and the discipline much improved. The general opinion of those who witnessed the parade and inspection last fall was that the department made a fine appearance,



and I consider it a good idea to show the people the guardians of the public peace, as a body, once a year.

I hope the officers and members of the force will try to reach even greater perfection in the suppression of crime and prompt arrest and conviction of offenders. Of course we are aware that with the utmost vigilance a certain proportion of burglars, incendiaries, etc., will get away; all we can ask for is that the force shall be alive, energetic, interested; if anything unusual occurs during the night which demands investigation it should be attended to promptly, and the enquiry renewed if need be at daylight the next morning.

I believe that New Bedford will compare favorably with most communities in respect to peace and order; still we hear periodically of localities where our citizens are uneasy on account of lawless and malicious acts. What our police force exists for in a large degree is to reduce this feeling of apprehension to the minimum. When that time comes that people with unlawful and evil propensities are terrified and dismayed at the mention of the New Bedford police and all law abiding citizens feel safe and secure; then will the millennium be ushered in so far as it relates to police efficiency and protection in this locality.

### LEONARD PAPERS.

These papers consist of an original proprietors layout of the town of Dartmouth, other maps and plans of great value, genealogical records of the old families of this section and records giving births, marriages and deaths of early days.

The whole collection is the result of the life work of the late Elisha C. Leonard, and much of the information is made up from records now lost or destroyed.

The city can have these papers for \$3000, and both as mayor and as one of the library trustees, I advise their purchase; my colleagues on the board of trustees all unite in this recommendation.

### ELECTION OF ASSESSORS.

Many people believe that a change in the method of selecting an assessor-at-large should be adopted. The requirements necessary for this important office cannot be overestimated: with this department is lodged the duty of determining property values which forms the basis of our revenue.

In my judgment the selection should be entirely of a non-partisan character. Heretofore nominations for this office have been made during the heat and bustle of a municipal campaign, when the conditions are not favorable for the exercise of calm, deliberate judgment free from political influence and factional strife.

You will recall several instances within a few years when the people threw over the nominees of both parties, and elected an independent candidate.

I believe a better way would be to elect the assessors-at-large by the council in convention in the month of February, the assessor chosen to hold office from the first Monday in March, which would give the members of the council time enough to deliberate in regard to it, and be altogether better than the present method.

This done, the board of assessors can be given power, under proper restrictions to select their own subordinates, in the same manner as other departments; and the election of assistant assessors, which is a relic of village days, can be dispensed with.

### CLEANING STREETS.

More attention should be paid to keeping the streets cleaner than has been the case the last few years. I propose early in the year to bring the matter to the attention of the board of public works. But little can be done, however, effectively, without the assistance of our business men and the citizens generally. It is very discouraging to clean a street in the morning and find that by heedlessness on the part of the abutters and others in scattering around paper and refuse it needs sweeping again the same day.

I appeal to the citizens of New Bedford to co-operate in keeping the streets of the city neat and tidy.

### CONCLUSION.

While our cities are limited by legislative control, yet within the authority bestowed upon them the people of the municipality are the sovereign rulers. In this sense ours is a popular government. The will of the people is supreme. The public officer, although perhaps the exponent in political policy of a faction, is a representative of the whole people.

It is not his merely to satisfy personal ambition or to give way to trifling prejudices, political or otherwise.



The office of mayor is one to be respected, not alone by the man who occupies the position and by the constituency which elects him, but by the whole people. The struggle of politics is one thing, the achievement and occupancy of political office another, and a vastly different thing. The first justifies a reasonable amount of partisanship, the second demands faithful, steadfast, conscientious service to all the people. In equal measure there is needed in the interest of the best results the loyal and patriotic respect and consideration of all the citizens toward the officer who assumes the responsibilities of the position. The same rule applies alike to executive and constituents, loyal co-operation of each towards the other is needed for the best and highest accomplishment of municipal duty.

Every citizen is deeply interested in maintaining all that New Bedford has gained in the past of commendable eminence among the sister cities of the commonwealth. Our aim is toward better things, to loftier rounds on the ladder of municipal fame. With the spirit of local pride strong within us, we can accomplish our purpose. In entering upon another year of service with a better understanding and a fuller consciousness of the relation which the executive must bear to his people, I am determined that my words and acts shall contribute to that which is demanded by the highest and truest patriotism. With the earnest hope for a year of municipal growth and prosperity in all the various and multiplied departments of public work, with a sincere purpose to do our whole duty, let us look forward to a year in which we may advance in the direction of the highest development of municipal strength and character.

# CITY GOVERNMENT

## 1896.

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MAYOR.

HON. DAVID L. PARKER.

---

ALDERMEN.

Ward 1—LUTHER G. HEWINS, JR.

Ward 2—SAMUEL C. HUNT.

Ward 3—JOHN H. BARROWS.

Ward 4—WILLIAM R. WEST.

Ward 5—JAMES ARTHUR TAYLOR.

Ward 6—SAMUEL E. BENTLEY.

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CITY CLERK.

DANIEL B. LEONARD.

---

ASSISTANT CITY CLERK.

WILLIAM S. COOK.

---

CITY TREASURER AND COLLECTOR OF TAXES.

JAMES H. HATHAWAY.

---

CITY AUDITOR.

GEORGE W. PARKER.

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CITY MESSENGER.

AUGUSTUS D. PIPER.

## COMMON COUNCIL.

PRESIDENT—ARTHUR L. BLACKMER.

*Ward One.*

HENRY T. ASHLEY,  
STEPHEN L. FINNELL,  
MORTIMER McCARTY,  
WILLIAM BAMFORD.

*Ward Four.*

ARTHUR W. FORBES,  
FRANK A. HABICHT,  
CHARLES H. FULLER,  
JOHN A. TAYLOR.

*Ward Two.*

ARTHUR L. BLACKMER,  
ROBERT S. LAWTON,  
EDWARD G. REYNOLDS,  
JOSEPH A. WRIGHT.

*Ward Five.*

ROBERT L. BAYLIES,  
CHARLES H. L. DELANO,  
THOMAS S. HATHAWAY,  
PHILIP C. RUSSELL.

*Ward Three.*

GEORGE P. BAILEY,  
WILLIAM L. CHADWICK,  
OLIVER B. DAVIS,  
JOHN D. WILSON.

*Ward Six.*

JOSEPH H. FERNANDES,  
JAMES C. PLATT,  
PATRICK W. WALDRON,  
JOSEPH C. WARREN.

CLERK—WILLIAM A. MACKIE.

## STANDING COMMITTEES OF THE BOARD OF MAYOR AND ALDERMEN.

*Police*—The Mayor, and Aldermen Bentley and Taylor.*Licenses*—Aldermen Hunt, Taylor and Barrows.*Burial Grounds*—Aldermen Taylor, Hewins and Bentley.*Enrollment*—Aldermen Hunt, Hewins and West.*Soldiers' Aid*—The Mayor, and Aldermen Hewins and Bentley.

## JOINT STANDING COMMITTEES OF THE CITY COUNCIL.

*Finance*—The Mayor, and Alderman Barrows, the President of the Common Council, and Councilmen Bamford, Chadwick, Fuller, Delano and Platt.*Audit*—Aldermen Barrows and Hewins, and Councilmen Davis, Baylies and Warren.*City Property*—Aldermen West and Bentley, and Councilmen Reynolds, Hathaway and Wright.



*Fuel*—The Mayor, and Alderman Bentley, and Councilmen Lawton, Taylor and Russell.

*Education*—Aldermen Hunt and Hewins, and Councilmen McCarty, Taylor and Wilson.

*Fire Department*—Aldermen Taylor and Barrows, and Councilmen Lawton, McCarty and Delano.

*Roads, Bridges and Sewers*—Aldermen Hewins and West, and Councilmen Platt, Forbes and Fernandes.

*Charities, Almshouse and the Poor*—Aldermen Hunt and Hewins, and Councilmen Finnell, Waldron and Chadwick.

*Street Lights*—Aldermen West and Hunt, and Councilmen Warren, Habicht and Bailey.

*Printing*—Alderman Taylor, and Councilmen Wright and Bamford.

*Buildings in the Fire Districts*—Aldermen Hewins and West, and Councilmen Russell, Finnell and Chadwick.

*Armories and Military Property*—Aldermen Bentley and West, and Councilmen Ashley, Fuller and Hathaway.

*Water Works and Water Supply*—Aldermen Barrows and Taylor, and Councilmen Reynolds, Wilson and Ashley.

*Claims*—Aldermen Bentley and Taylor, and Councilmen Forbes, Baylies and Davis.

*Ordinances*—Aldermen Hunt and Hewins, and Councilmen Fernandes, Habicht and Davis.

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STANDING COMMITTEES OF THE COMMON COUNCIL.

*Elections and Returns*—Councilmen Taylor, Fernandes and Waldron.

*Bills in Second Reading*—Councilmen Forbes, Bailey and Habicht.

*Enrolled Ordinances*—Councilmen Chadwick, Waldron and Ashley.

**ASSESSORS.**

Office, Library Building, Room 6.

GEORGE E. BRIGGS, Chairman, 2 years.

JOHN A. RUGGLES, 1 year.

CHARLES D. TUELL, 3 years.

**ASSISTANT ASSESSORS.**

Ward 1—PETER J. RILEY.

Ward 2—EDWARD B. SWIFT.

Ward 3—HENRY C. RUSSELL.

Ward 4—MARSHALL T. MILLS.

Ward 5—WILLIAM J. ABRAMS.

Ward 6—FRANK PAUL.

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**BOARD OF HEALTH.**

Office, 52 Pleasant Street.

WILLIAM N. SWIFT,

Term expires February, 1898.

THOMAS W. COOK,

Term expires February, 1898.

NATHANIEL HATHAWAY,

Term expires February, 1897.

NATHANIEL HATHAWAY, Chairman.

WILLIAM N. SWIFT, City Physician and Quarantine Physician.

**CLERK.**

SUSIE J. SMALL.

**HEALTH INSPECTOR.**

WILLIAM E. MACOMBER.

**INSPECTOR OF PLUMBING.**

LOUIS H. RICHARDSON.

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**NEW BEDFORD WATER WORKS.****NEW BEDFORD WATER BOARD.**His Honor, DAVID L. PARKER, Mayor, *ex officio*, President.ARTHUR L. BLACKMER, President of the Common Council, *ex officio*.

EDMUND WOOD,

Term expires June, 1896.

THOMAS B. TRIPP,

Term expires June, 1897.

DAVID B. KEMPTON,

Term expires June, 1898.

## CLERK.

ROBERT C. P. COGGESHALL.

## WATER REGISTRAR.

JAMES H. HATHAWAY.

Office, Room 2, Library Building.

## SUPERINTENDENT.

ROBERT C. P. COGGESHALL.

Office, City Hall Building.

## INSPECTOR.

CLIFFORD BAYLIES.

Office, Room 2, Library Building.

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COMMISSIONERS OF SINKING FUNDS.

WILLIAM H. PITMAN,	Term expires March, 1897.
ANDREW R. PALMER,	Term expires March, 1898.
EDWARD S. BROWN,	Term expires March, 1899.

ANDREW R. PALMER, Chairman.

JAMES H. HATHAWAY, Secretary and Treasurer.

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OVERSEERS OF THE POOR.

JAMES E. STANTON,	Term expires May 1, 1897.
CHARLES A. B. PETERSON,	Term expires May 1, 1898.
CHARLES S. PAISLER,	Term expires May 1, 1899.

Secretary—JAMES E. STANTON.

Assistant—AUGUSTUS A. WOOD.

Clerk—ELLA F. BUCKLIN.

Supt. of Almshouse and Poor Farm—AXEL H. JACKSON.

Physician—HARRY L. STEVENS.

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FREE PUBLIC LIBRARY.

## TRUSTEES.

*Ex officio. Term expires January, 1897.*

DAVID L. PARKER, Mayor of the City.

ARTHUR L. BLACKMER, President of the Common Council.

SAMUEL C. HUNT, Alderman and Chairman of the Committee of the City Council on Education.

*Elected by the City Council.*

ISAAC B. TOMPKINS, JR.,	Term expires April, 1897.
MATTHEW C. JULIEN,	Term expires April, 1897.
ALEXANDER McL. GOODSPEED,	Term expires April, 1898.
LEMUEL LeB. HOLMES,	Term expires April, 1898.
WALTER S. ALLEN,	Term expires April, 1899.
WILLIAM L. SAYER,	Term expires April, 1899.

## PRESIDENT OF THE BOARD.

THE MAYOR.

## CLERK.

WILLIAM L. SAYER.

## COMMITTEES.

*On the Library*—Messrs. Julien, Allen and Holmes.*On Finance*—Messrs. Allen, Tompkins and Goodspeed.*On the Building*—Messrs. Tompkins, Sayer and Blackmer.

## LIBRARIAN.

ROBERT C. INGRAHAM.

## ASSISTANT LIBRARIAN.

BENJAMIN W. PENNOCK.

## ASSISTANTS.

JOSEPHINE A. MERRICK,

MARY E. BROWN,

SUSIE H. GAMMONS.

## JANITOR.

YORICK W. AMES.

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BOARD OF PUBLIC WORKS.

Office, Odd Fellows' Building.

His Honor, DAVID L. PARKER, Mayor, *ex officio* Chairman.ARTHUR L. BLACKMER, President of the Common Council, *ex officio*.

GEORGE F. BARTLETT, Term expires May 1, 1897.

CHARLES O. BRIGHTMAN, Term expires May 1, 1898.

SAVORY C. HATHAWAY, Term expires May 1, 1899.

WM. S. COOK, Clerk.

CHARLES F. LAWTON, Superintendent.



## PARK COMMISSIONERS.

THE MEMBERS OF THE BOARD OF PUBLIC WORKS.

WILLIAM S. COOK, Clerk.

—

SUPERINTENDENT OF BRIDGE AND DRAW TENDER.

WILLIAM DOWNEY.

—

CITY SOLICITOR.

ELIOT D. STETSON.

—

## CEMETERY BOARD.

JAMES DELANO,	Term expires May 1, 1897.
WILLIAM SANDERS,	Term expires May 1, 1898.
CHARLES H. VINAL,	Term expires May 1, 1899.

Chairman, WILLIAM SANDERS.

Secretary, CHARLES H. VINAL.

SUPERINTENDENT.

CHARLES F. CORNELL.

—

SEALER OF WEIGHTS AND MEASURES.

GEORGE A. EGGERS.

—

SUPERINTENDENT OF PUBLIC BUILDINGS AND BUILDINGS IN THE  
FIRE DISTRICTS.

EDMUND O'KEEFE.

—

INSPECTOR OF BUILDINGS.

EDMUND O'KEEFE.

—

SUPERINTENDENT OF CITY CLOCK.

CHARLES E. WOODWORTH.

—

CITY BELL RINGER.

OTHELLO S. DRISKELL.

CITY ENGINEER.  
WILLIAM F. WILLIAMS.

---

HARBOR MASTER.  
PARDON B. GIFFORD.

---

INSPECTOR OF PETROLEUM AND VINEGAR.  
FRANK R. DELANO.  
Office, No. 17 Middle Street.

---

INSPECTOR OF MILK, ANIMALS AND PROVISIONS.  
DANIEL C. ASHLEY.  
Office, southeast corner Acushnet avenue and Elm street.

---

SUPERVISOR OF WIRES.  
DANIEL D. BRIGGS.

---

REGISTRARS OF VOTERS.

JOHN A. GOMLEY,	Term expires May, 1897.
EDWIN A. DOUGLASS,	Term expires May, 1898.
WILLARD N. LANE,	Term expires May, 1899.

WILLARD N. LANE, Chairman.

DANIEL B. LEONARD, City Clerk, *ex officio*.  
Office, Basement City Hall Building.

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PRECINCT OFFICERS.

*Term of office expires Nov. 1, 1896.*

WARD ONE, PRECINCT A.

Warden, GEORGE B. BORDEN, R.

Clerk, JAMES McDONNELL, D.

Inspector, CHARLES T. BROWNELL, R.

“ PETER J. RILEY, D.

“ JAMES H. BAMFORD, R.

“ MAURICE C. DAHILL, D.

*Deputies.*

Warden, GEORGE W. HILLMAN, R.  
 Clerk, JOSEPH C. PATNAUDE, D.  
 Inspector, EDWARD HUGHES, R.  
     " PATRICK J. MAHONEY, D.  
     " EDWARD C. TABER, R.  
     " JOSEPH C. DESMOND, D.

## WARD ONE, PRECINCT ONE.

Warden, DANIEL J. SULLIVAN, D.  
 Clerk, EDWARD F. DAHILL, R.  
 Inspector, EDWARD M. MURPHY, D.  
     " HENRY H. HACKING, R.  
     " MICHAEL E. DALEY, D.  
     " MICHAEL F. HARLOW, R.

*Deputies.*

Warden, JOHN K. SMITH, D.  
 Clerk, CHARLES A. V. TERRY, R.  
 Inspector, DENNIS J. MCAULIFFE, D.  
     " DAVID C. MCWHINNIE, R.  
     " SAMUEL J. SMITH, D.  
     " CALEB SLADE, R.

## WARD ONE, PRECINCT TWO.

Warden, GEORGE P. MACOMBER, R.  
 Clerk, JOHN N. O'BRIEN, D.  
 Inspector, EDWIN WHITTAKER, R.  
     " DANIEL F. DRISCOLL, D.  
     " GEORGE E. SAXON, R.  
     " JOHN H. RYAN, D.

*Deputies.*

Warden, WARREN P. TOBEY, R.  
 Clerk, MICHAEL McDONNELL, D.  
 Inspector, JAMES H. SAXON, R.  
     " DANIEL J. CONNELLY, D.  
     " JOSEPH E. MORRIS, R.  
     " SMITH SHARPLES, D.

## WARD TWO, PRECINCT THREE.

Warden, DAVID B. PIERCE, D.  
Clerk, MYRON W. BROWNELL, R.  
Inspector, HENRY FIELD, JR., D.  
“ STEPHEN HAFFORD, JR., R.  
“ WILLIAM W. ATWOOD, D.  
“ ARTHUR A. DEXTER, R.

*Deputies.*

Warden, CHARLES A. CASE, D.  
Clerk, CHARLES T. BURGESS, R.  
Inspector, WALTER F. FIELD, D.  
“ CHARLES L. FAUNCE, R.  
“ JAMES P. FITZGERALD, D.

## WARD TWO, PRECINCT FOUR.

Warden, GEORGE K. DAMMON, R.  
Clerk, ASA L. H. ALLEN, D.  
Inspector, DAVID S. SMALL, R.  
“ JOSEPH P. H. CLARKE, D.  
“ RUFUS H. WILLIS, R.  
“ A. H. W. CARPENTER, D.

*Deputies.*

Warden, EDWARD T. SHERMAN, R.  
Clerk, HENRY SMITH, D.  
Inspector, PHILIP R. KING, R.  
“ JAMES C. McNUTT, D.  
“ SAMUEL E. MILLER, R.  
“ CHARLES L. CHURCH, D.

## WARD THREE, PRECINCT FIVE.

Warden, JOSHUA B. ASHLEY, JR., D.  
Clerk, JAMES D. ALLEN, R.  
Inspector, HENRY F. HAMMOND, D.  
“ WILLIAM T. CASWELL, R.  
“ JAMES E. BLAKE, JR., D.  
“ AUGUSTUS G. MOULTON, R.



*Deputies.*

Warden, WILLIAM E. COOPER, D.  
Clerk, EDMOND L. WILDE, R.  
Inspector, JOSHUA G. LAPHAM, D.  
“ PRINCE S. BORDEN, R.  
“ CHARLES T. LUCE, D.  
“ WALTER G. HAMLIN, R.

## WARD THREE, PRECINCT SIX.

Warden, JAMES F. CHIPMAN, D.  
Clerk, B. FRANKLIN WORDELL, R.  
Inspector, OBED S. COWING, D.  
“ THOMAS H. FORBES, R.  
“ TIMOTHY CROWLEY, D.  
“ WILLIAM E. CARROLL, R.

*Deputies.*

Warden, ——— ———  
Clerk, CHARLES L. PAINE, R.  
Inspector, ANDREW F. MITCHELL, D.  
“ ISAIAH C. DADE, R.  
“ JOHN O'NEIL, D.  
“ WILLIAM P. YORK, R.

## WARD FOUR, PRECINCT SEVEN.

Warden, WILLIAM F. CASWELL, R.  
Clerk, WALTER R. MYRICK, D.  
Inspector, AUGUSTUS D. PIPER, R.  
“ GEORGE R. YOUNG, D.  
“ MARSHALL T. MILLS, R.  
“ GEORGE S. HOYT, D.

*Deputies.*

Warden, JAMES B. RUSSELL, R.  
Clerk, FREDERICK A. BROWNELL, D.  
Inspector, FRED D. BARROWS, R.  
“ DANIEL G. DINIGAN, D.  
“ SETH W. GODFREY, R.  
“ EDWIN P. SOULE, D.

## WARD FIVE, PRECINCT EIGHT.

Warden, PHILIP S. BRIGGS, D.  
Clerk, JOHN K. McAFEE, R.  
Inspector, GEORGE P. RICHARDSON, D.  
“ ARTHUR C. SPOONER, R.  
“ ISAAC C. SHERMAN, D.  
“ ORRICK SMALLEY, JR., R.

*Deputies.*

Warden, WILLIAM H. SHERMAN, D.  
Clerk, ALBION T. BROWNELL, R.  
Inspector, THOMAS J. PEED, D.  
“ GEORGE P. BROCK, R.  
“ JOHN T. RICHARDSON, D.  
“ GEORGE F. COLE, R.

## WARD FIVE, PRECINCT NINE.

Warden, HENRY S. SWAIN, R.  
Clerk, HENRY A. GRAY, D.  
Inspector, DAVID M. PIPER, R.  
“ WILLIAM C. KENNEDY, D.  
“ FRANCIS A. BOOTH, R.  
“ CHARLES S. BAYLIES, D.

*Deputies.*

Warden, L. ARTHUR LITTLEFIELD, R.  
Clerk, ROBERT L. BAYLIES, D.  
Inspector, JOHN C. EMERY, R.  
“ GEORGE A. CAVANAUGH, D.  
“ EDWARD H. COOK, R.  
“ CHARLES F. F. JONES, D.

## WARD SIX, PRECINCT TEN.

Warden, CHARLES F. BRIGGS, R.  
Clerk, LEANDER A. WILLISTON, D.  
Inspector, GEORGE F. CURRY, R.  
“ FRANK CROACHER, D.  
“ CLIFTON H. CORNISH, R.  
“ FRANK G. TABER, D.

*Deputies.*

Warden, ROLAND R. ASHLEY, R.  
Clerk, JOHN J. MEANEY, D.  
Inspector, CHARLES E. ALLEN, R.  
" THOMAS J. MEANEY, D.  
" HARRY C. VAUGHAN, R.  
" DANIEL E. NELSON, D.

## WARD SIX, PRECINCT ELEVEN.

Warden, HERBERT B. GARDNER, R.  
Clerk, N. HERBERT GREENE, D.  
Inspector, WILLIAM W. BONNEY, R.  
" WILLIAM N. NELSON, D.  
" AMOS W. HADLEY, R.  
" MICHAEL T. FRANCIS, D.

*Deputies.*

Warden, MARSHALL S. GREENE, R.  
Clerk, WILLIAM H. MELLE, D.  
Inspector, WILLIAM A. GIBBS, R.  
" ANTHONY ROBINSON, D.  
" FRANCIS THORLEY, R.  
" CHARLES D. RUSSELL, D.

## WARD SIX, PRECINCT TWELVE.

Warden, SAMUEL WATSON, 2d, R.  
Clerk, CHARLES E. JENNINGS, D.  
Inspector, CHARLES A. S. SHERMAN, R.  
" GEORGE L. JENNINGS, D.  
" ANDERSON H. SWIFT, R.  
" THOMAS MORRISON, D.

*Deputies.*

Warden, SIDNEY LEES, R.  
Clerk, JAMES J. DONAGHY, D.  
Inspector, ROBERT W. COOKE, R.  
" JOHN J. DOWNEY, D.  
" LEANDER REED, R.  
" PATRICK W. WALDRON, D.

## WARD LINES.

CITY OF NEW BEDFORD,

IN BOARD OF ALDERMEN,

April 25, 1895.

*Ordered,* That in conformity with section 96 of chapter 417 of the Acts of the Legislature of the Commonwealth in the year 1893, the several wards of the city, until the first day of May, 1895, and until otherwise ordered, be and they are hereby divided and established according to the following described lines, to take effect January 1, 1896:

*Ward One.* All that portion of the city lying north of a line beginning at the river, and drawn through the center of Linden street to Ashland street, thence through the center of Ashland street to Durfee street, and thence through the center of Durfee street to the west line of the city, will constitute Ward One.

*Ward Two.* All that portion of the city lying between a line drawn from the river through the center of Linden street to Ashland street, thence through the center of Ashland street to Durfee street, thence through the center of Durfee street to the west line of the city and a line drawn from the river through the center of Campbell street to County street, thence through the center of County street to Sycamore street, thence through the center of Sycamore street to Cedar street, thence through the center of Cedar street to Smith street, and thence through the center of Smith street to the west line of the city, will constitute Ward Two.

*Ward Three.* All that portion of the city lying between a line drawn from the river through the center of Campbell street to County street, thence through the center of County street to Sycamore street, thence through the center of Sycamore street to Cedar street, thence through the center of Cedar street to Smith street, thence through the center of Smith street to the west line of the city, and a line drawn from the river through the center of High street to County street, thence through the center of County street to Kempton street, and thence through the center of Kempton street to the west line of the city, will constitute Ward Three.

*Ward Four.* All that portion of the city lying between a line drawn from the river through the center of High street to County street, thence through the center of County street to Kempton street, thence through the center of Kempton street to the west line of the city, and a line drawn from the river through the center of School street to County street, thence through the center of County street to Arnold street, and thence through the center of Arnold street to the west line of the city, including Fish and Pope's Islands, will constitute Ward Four.



*Ward Five.* All that portion of the city lying between a line drawn from the river through the center of School street to County street, thence through the center of County street to Arnold street, thence through the center of Arnold street to the west line of the city, and a line drawn from the river through the center of Grinnell street to Fourth street, thence through the center of Fourth street to Washington street, thence through the center of Washington street to Dartmouth street, thence through the center of Dartmouth street to Grape street, thence through the center of Oak and Grape streets to Rockdale avenue, thence through the center of Rockdale avenue to Allen street, and thence through the center of Allen street to the west line of the city, will constitute Ward Five.

*Ward Six.* All that portion of the city lying south of a line drawn from the river through the center of Grinnell street to Fourth street, thence through the center of Fourth street to Washington street, thence through the center of Washington street to Dartmouth street, thence through the center of Dartmouth street to Oak street, thence through the center of Oak and Grape streets to Rockdale avenue, thence through the center of Rockdale avenue to Allen street, and thence through the center of Allen street to the west line of the city, including Palmer's Island, will constitute Ward Six.

Adopted in concurrence.

Approved by the Mayor April 27, 1895.

## VOTING PRECINCTS.

CITY OF NEW BEDFORD,

IN BOARD OF ALDERMEN,

April 23, 1896.

*Whereas*, By the provisions of chapter 417 of the Acts of the Legislature of 1893, it is made imperative that this Board divide the city into convenient voting precincts for the holding of all meetings for the choice of all officers who are elective by the people, it is hereby

*Ordered*, That the several wards of the city be, and they are hereby divided, into voting precincts for the holding of all meetings for the choice of all officers who are elective by the people. and that the dividing lines of said precincts be as is hereinafter defined.

### IN WARD ONE.

Said line shall begin at a point in the channel of the Acushnet river formed by the extension of the center of Cedar Grove street, thence

westerly in said extended line and in the center of Cedar Grove street to the center of Cottage street, thence through the center of Cottage street to the center of Sutton street, thence west in the center of Sutton street to the center of Shawmut avenue, thence south in the center of Shawmut avenue to the center of Durfee street, thence west in the center of Durfee street in a straight line to the boundary line between the town of Dartmouth and the city of New Bedford. The precincts in said ward being further defined as follows: All that part of said ward lying north and west of the said division line shall be and is hereby made a voting precinct to be known as Precinct Number One; all that part of said ward lying south and east of the said division line shall be and is hereby made a voting precinct to be known as Precinct Number Two.

#### IN WARD TWO.

Said line shall begin at a point formed by the extension of a line through the center of County street at its intersection with Linden street, thence south through the center of County street to the center of Locust street, thence through the center of Locust street to the center of Chestnut street, thence south through the center of Chestnut street to a point in said Chestnut street at its intersection with a line formed by the extension of a line through the center of Sycamore street. The precincts in said ward being further defined as follows: All that part of said ward lying east of said division line shall be and is hereby made a voting precinct to be known as Precinct Number Three; all that part of said ward lying west of said division line shall be and is hereby made a voting precinct to be known as Precinct Number Four.

#### IN WARD THREE.

Said line shall begin at a point in the center of County street intersecting with a line formed by the extension of a line through the center of Sycamore street, thence south through the center of County street to its intersection with a line formed by the extension of a line through the center of High street. And is further defined as follows: All that portion of said ward lying east of said division line as drawn through the center of County street shall be and is hereby made a voting precinct to be known as Precinct Number Five; all that portion west of said division line as drawn through the center of County street shall be and is hereby made a voting precinct to be known as Precinct Number Six.

#### IN WARD FOUR.

Said line shall begin at a point in the center of Kempton street at its intersection with a line formed by the extension of a line through the cen-

ter of Summer street, thence south through the center of Summer street to its intersection with a line formed by the extension of a line through the center of Elm street, thence west through the center of Elm street to the center of Cottage street, thence south in the center of Cottage street to a point at its intersection with a line formed by the extension of a line through the center of Arnold street. And is further defined as follows: All that portion of said ward lying east of said division line shall be and is hereby made a voting precinct to be known as Precinct Number Seven; all that portion lying west of said division line is hereby made a voting precinct to be known as Precinct Number Eight.

#### IN WARD FIVE.

Said line shall begin at a point in the center of County street and in the center of School street, thence south in the center of County street to the center of Bedford street, thence east in the center of Bedford street to the center of South Sixth street, thence south in the center of South Sixth street to its intersection with the center of County street, thence in the center of County street to its intersection with a line drawn through the center of Washington street. The precincts in said ward being further defined as follows: All that portion of said ward lying east of said division line shall be and is hereby made a voting precinct to be known as Precinct Number Nine; and all that part of said ward lying west of said division line shall be and is hereby made a voting precinct to be known as Precinct Number Ten.

#### IN WARD SIX.

Said line shall begin at a point in the center of Fourth street at its intersection with the center of Grinnell street, thence south in the center of Fourth street to the center of Rivet street, thence westerly in the center of Rivet street to the center of County street, thence southerly in the center of County street to Clark's cove, so called. The precincts in said ward being further defined as follows: All that portion of said ward lying east of said division line shall be and is hereby made a voting precinct to be known as Precinct Number Eleven; all that portion of said ward lying west of said division line shall be and is hereby made a voting precinct to be known as Precinct Number Twelve.

ADOPTED.

## FIRE DEPARTMENT.

## CHIEF ENGINEER.

FREDERICK MACY, Term expires January, 1898.

Office, City Hall Building.

## ASSISTANT ENGINEERS.

First—LORING T. PARLOW, Term expires April, 1899.  
 Second—EDWARD F. DAHILL, Term expires April, 1898.  
 Third—ALLEN W. TINKHAM, Term expires April, 1897.  
 Fourth—WILLIAM A. GIBBS, Term expires April, 1900.

## CLERK OF BOARD OF ENGINEERS.

LUTHER G. HEWINS, JR.

## MEMBERS OF THE NEW BEDFORD PROTECTING SOCIETY.

(*Special Police Officers, to serve at fires.*)

Akin, Francis T.	Gifford, Frank H.	Peirce, Stephen D.
Allen, George H. H.	Gifford, Thomas J.	Penney, Edward F.
Allen, Gideon	Hadley, A. W.	Phillips, George A.
Bamford, James H.	Hammond, Edgar B.	Pierce, Edward T.
Bamford, William	Hammond, Henry F.	Pierce, Otis N.
Bennett, George W.	Haskell, Charles M.	Pitman, William H.
Bentley, Lewis E.	Holden, Charles H.	Potter, William F.
Bourne, Standish	Howard, Henry	Read, William F.
Bly, O. Frank	Howland, John J.	Robbins, Arthur E.
Briggs, George E.	Hutchinson, Henry S.	Robinson, William A.
Card, Byron F.	Kelley, Charles S.	Rotch, Morgan
Case, Charles A.	Kingman, G. D.	Richardson, Louis H.
Coggeshall, R. C. P.	Knowles, Thomas H.	Sanford, Gardner T.
Cornish, Clifton H.	Lawton, Charles H.	Shaw, S. Edward
Denison, Henry C.	Lewis, Edgar R.	Snow, Andrew, Jr.
Dias, Joseph	Lewis, William J.	Snow, Robert
Dunham, Ernest A.	Lowe, John H.	Swift, Leander H.
Dunham, Fred C.	Macy, Frederick B.	Swift, R. W.
Eldridge, John, Jr.	Manchester, P. F.	Taber, Charles M.
Francis, James P.	Maxfield, Edmund F.	Taber, Frederick
Gardner, Edward R.	Nye, Willard, Jr.	Taylor, William T.
Gibbs, John E.	Paine, Charles L.	Thornton, Alfred
Gifford Charles H.	Parker, James N.	Tripp, Augustus C.



Vincent, Mark T.	Wilbor, Alfred G.	Wood, Horace
Washburn, F. A.	Wilde, Albert F.	Wood, Thomas F.
West, William R.	Wilde, Edmond L.	
Whitehead, William	Wood, Edmund	

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**POLICE DEPARTMENT.**

**CHIEF.****GEORGE DOUGLASS.****CAPTAINS.****TIMOTHY C. ALLEN,                  JAMES L. WILBER.****LIEUTENANTS.**

LEMUEL D. ADAMS,	ARTHUR H. JONES,
SETH E. BRYANT,	ELLERY PEIRCE,
THOMAS W. COMSTOCK,	THOMAS J. TAFT,
THOMAS FAY,	JOSEPH B. WING.

**INSPECTORS.****FRANKLIN L. HATHAWAY,          JOHN C. PARKER.****PATROLMEN.**

ALDRICH, OSCAR F.	DENEEN, DANIEL
ALLEN, EDGAR W.	DODDS, JAMES
ALLEN, EDWARD	ELDRIDGE, WASHINGTON A.
ALLEN, ROBERT N.	ENOS, FRANK
ALMOND, WALTER	FOLEY, EDMUND
ALMOND, WILLIAM, JR.	GENDRON, GEORGE E.
ARNETT, HENRY	GIFFORD, CHARLES C.
ARNETT, JAMES W.	GRAY, ALBERT N.
ATWOOD, WILLIAM W.	HUTCHINSON, JOHN J.
BROWNELL, MILTON A.	IVEY, JAMES A.
CALLANAN, THOMAS F.	KENNEY, PATRICK
CANNAVAN, PATRICK	KENT, CHANCELLOR
CLARK, ULYSSES L.	LEE, ALLEN L.
COWING, WILLIAM J.	MATHER, JOSEPH
COX, JAMES M.	McBAY, CHARLES L.
DAHONEY, THOMAS	McCARTHY, JEREMIAH
DALEY, JEREMIAH E.	McDONNELL, PATRICK
DEMERS, FRANK E.	McENNIS, ROBERT B.

McLEOD, SAMUEL D.	SMITH, ANDREW J.
MOYNAN, ROBERT	SMITH, CHARLES F.
MURPHY, CORNELIUS J.	STOW, HARRY D.
OLIVER, JOHN F.	SULLIVAN, JOHN D.
PINKHAM, GEORGE W.	SULLIVAN, TIMOTHY
RAYMOND, HIRAM E.	SWEENEY, DANIEL P.
REMINGTON, FRANK L.	SYLVIA, FRANK W.
RHODES, HENRY W.	TABER, JEREMIAH M.
RICKETSON, HARRISON D.	UNDERWOOD, WILLIS C.
ROOKS, JOHN C.	VOGEL, GEORGE
ROSCOE, WILLIAM E.	WESTON, STEPHEN J.
RUSSELL, EUGENE F.	WILSON, THOMAS H.
SAVAGE, JAMES W.	WIXON, JAMES A.
SISSON, JOSEPH DE L.	

## EMERGENCY OFFICER STATION ONE.

KENNEDY, PATRICK.

## HEALTH OFFICER.

MACOMBER, WILLIAM E.

## WAGONMEN.

JONES, JOHN M.                      PAIGE, GEORGE W.

## DRIVERS.

JENNINGS, EDWARD F.              DOUGLASS, ROLAND C. (Acting).

## HOUSEKEEPERS.

BUMPUS, HENRY W.	MITCHELL, WILLIAM H.
DAYTON, LUTHER M.	RUSSELL, ELISHA E.
HUMPHREY, DANIEL J.	STEVENS, HENRY

## SPECIAL HOUSEKEEPERS.

JONES, ISAAC M.	MANCHESTER, JOHN B.
ROBBINS, CHARLES H.	

## MATRON.

BULLARD, MARGARET S.

## JANITOR.

POLLOCK, JOHN H.

## CLERK.

HENRY N. WEST.

## CONSTABLES.

## THE MEMBERS OF THE POLICE FORCE,

LEWIS S. MOORE,  
SAMUEL C. PERRY,  
THOMAS D. HOWLAND,

LOUIS LA ROCHE,  
JOSEPH C. PATNAUDE,  
MICHAEL McDONNELL.

## KEEPER OF THE LOCKUP.

GEORGE DOUGLASS.

## PROBATION OFFICER.

ISAAC H. COE.

## SPECIAL POLICE OFFICERS.

Barker, Robert T.	Corley, Maurice C.	Gifford, John
Bartel, Leopold	Cornell, Charles F.	Glennon, Thomas F.
Bennett, Jeremiah H.	Cornell, Sidney I.	Grant, Lafayette
Bentley, Frank T.	Crafts, James	Greene, Marshall S.
Berry, James H.	Cronin, Cornelius	Harrington, Cornelius
Bliss, Frederick P.	Dammon, George K.	Harrington, Daniel
Bliss, William H.	Davenport, Charles H.	Harrington, J., Clark st.
Booth, Benjamin T.	Davis, Otis A.	Hernon, John
Borden, Prince S.	Devine, Patrick	Hillman, George W.
Briggs, John W.	Devoll, George H.	Hines, Henry S.
Brown, William L. G.	Doherty, Edward P.	Holden, George
Buckley, Alfred R.	Donaghy, Joseph	Holloway, James T.
Burgess, Stephen	Duckworth, Wm. A.	Holmes, Ezra
Burke, Michael I.	Duffy, Thomas	Holmes, John J.
Burke, William	Durfey, Richard T.	Howard, Henry
Butts, Henry R., Jr.	Eldredge, Samuel T.	Howland, Wm. A. E.
Chipman, James F.	Etchell, Edward	Howland, William G.
Clark, Michael	Ferguson, William	Jay, James A.
Clark, William	Finn, Michael	Jenney, Ezra T.
Clarkson, Nicholas J.	Fitzgerald, James	Johnson, Oscar
Clynes, Thomas	Francis, Frank W.	Johnson, W. H., Smith
Cole, William T.	Frissell, Amasa R.	street.
Collins, John	Fuller, Jonathan A.	Jones, Isaac M.
Conklin, Abraham	Geddis, Henry S.	Jordan, William
Connelly, Daniel J.	Gibbs, Preston H.	Joseph, John,
Corish, John	Gibbs, William H. II.	Karcher, Frederick, Sr.

Kelley, Hiram C.	Parker, Charles W.	Spicer, Robert H.
Kennedy, Thomas	Partington, William	Spooner, Joseph W.
Kent, James D. T.	Peckham, Samuel W.	Staples, Elias
King, Joseph T.	Peed, Thomas J.	Stephens, Michael
Lapham, George W.	Peirce, Anthony, Jr.	Taft, Daniel F.
Lawrence, Cyrus T.	Perry, Samuel C.	Tallman, Edward S.
Lawrence, George R.	Phillips, Henry T.	Taylor, Theodore
Leary, Dennis, Jr.	Pierce, Thomas H.	Taylor, William A.
Lincoln, Ellery C.	Pinelle, Joseph	Thomas, Edward, Jr.
Lincoln, John	Piper, Augustus D.	Thompson, Thomas
Little, Frank	Place, William J.	Thomson, John H.
Little, John E.	Pollock, John H.	Tinkham, John S.
Lowther, George H.	Quinn, Joseph	Tinkham, Otis
Lumbert, John	Rau, Gustavus L.	Tripp, Benjamin E.
Luther, Joseph P.	Read, George P.	Tripp, Holder R.
McDermot, Michael	Read, Richard A.	Tripp, LeRoy G.
Macomber, H. M.	Remington, John G.	Tuell, Charles D.
Marr, William J.	Reynolds, James R.	Underwood, John A.
Martin, Henry T.	Richie, David	Warfield, James H.
McCarthy, Edward	Robbins, Charles H.	Waters, Charles O.
McDonald, Daniel J.	Rooks, Albert H.	Watts, William H. C.
McDonnell, James	Russell, James B.	Weeden, Charles H. L.
Miller, George	Sadler, William G.	Wilbur, Allen R.
Morgan, Elias T.	Salmon, John	Wilcox, Seth A.
Morrison, Thomas	Saxon, James H.	Wiley, James
Nechter, George F.	Shea, Michael J.	Willis, Rufus H.
Nicholson, John B.	Shields, Charles M.	Williston, Hiram L.
Nye, George E.	Small, David S.	Wilson, John
Oliver, John	Smith, Henry	Wood, Charles N.
Palmer, Robert	Smith, Henry H.	Wood, James A.

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MEASURERS OF WOOD AND BARK.

Allen, Abram A.	Coxen, Charles H.	Notter, John
Ashley, Roland R.	Dillingham, Abram L.	Pickens, George
Bennett, William H.	Grinnell, A. B., Jr.	Rodman, Frank P.
Chace, Ira M.	Gurney, William A.	Smith, John
Cobb, George A.	Hall, George N.	Taber, Edward C.
Coffin, Stephen P.	Morse, Charles M., Jr.	

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SURVEYORS OF LUMBER.

Beetle, John H.	Doane, Joshua G.	Hayes, Lemuel W.
Chase, Abram	Graham, Robert P.	Smith, Charles F.
		Terry, Charles A. V.



## MEASURERS OF GRAIN.

Chace, Ira M.

Rodman, Frank P.

## WEIGHERS OF COAL.

Boardman, Harry C.  
Bowman, Fred G.  
Brooks, Nathan B.  
Chace, Ira M.  
Comey, Charles M.  
Corson, Frank E.  
Cuddy, Edward C.  
Day, Thomas E.  
Gibbs, John E.  
Gifford, Nathaniel W.

Godfrey, Eva B.  
Gray, Charles A., Jr.  
Hathaway, B. F., Jr.  
Howard, Henry  
Hunt, Josiah  
Knowles, Wm. H.  
Lindsey, Robert  
Negus, Southward P.  
Percy, T. A.  
Peirce, Edward E.

Reed, Edmund A.  
Rodman, Frank P.  
Rose, Frank E.  
Rounsvell, Walter S.  
Smith, John  
Thompson, Charles E.  
Tripp, Jabez D.  
Wilson, Wallace B.  
Wordell, Wilson I.  
Worden, John O.

## CITY WEIGHERS.

Albiston, Clayton  
Allen, George H.  
Anderson, Arthur  
Ashley, Clara M.  
Ashley, Moses E. H.  
Ashley, Roland R.  
Bearse, Albert C.  
Benson, Annie C.  
Blanchard, C. S.  
Boardman, Harry C.  
Bowman, Fred G.  
Bradford, Edgar V.  
Brooks, Nathan B.  
Brownell, Charles H.  
Buchanan, J. Wallace,  
Butts, James D.  
Chace, Ira M.  
Cleary, Daniel J.  
Cobb, George A.  
Comey, Charles M.  
Cornwell, Joseph F.  
Corson, Frank E.  
Craft, James F.  
Cuddy, Edward C.

Day, Thomas E.  
Doane, Edward D.  
Donley, William  
Duff, John  
Dyer, Edward C.  
Edwards, Charles F.  
Emerson, Charles P.  
Field, Edward H.  
Foley, Timothy  
Foster, Charles  
Gibbs, John E.  
Gibbs, J. Edward, Jr.  
Gibbs, William H. H.  
Gifford, Nathaniel W.  
Gilbert, Peter  
Gile, J. F.  
Gilmore, Thomas  
Gilston, John W.  
Godfrey, Eva B.  
Grant, Lafayette  
Gray, Charles A., Jr.  
Greene, Luthan J.  
Greene, Nathaniel H.  
Gurney, William A.

Harney, John  
Hassett, James  
Hathaway, B. F., Jr.,  
Hayden, Edward D.  
Hitch, Frank B.  
Howard, Henry  
Howland, Beriah G.  
Hunt, Josiah  
Inman, Harry C.  
Jackson, Axel H.  
Jennings, Charles E.  
Jennings, George L.  
Jennings, John  
Jennings, John W.  
Jennison, Frederick R.  
Jewett, Charles A.  
Johnson, Ferdinand A.  
Kenney, Edward D.  
Kidd, George H.  
Knowles, William H.  
Lamontagne, Frank  
Lee, John A.  
Lewis, Henry S.  
Lindsey, Robert

Lynch, Simon F.	Percy, T. A.	Sullivan, John B.
Lyons, John	Perry, John S.	Swift, Reuben E.
Macomber, Harry T.	Potter, Edwin L.	Sylvia, Antone
Mason, Frederick A.	Quinn, J. T.	Taber, Edward C.
McCarthy, Mortimer	Reed, Edmund A.	Thompson Charles E.
Miller, David	Rodman, Frank P.	Tilton, Herbert E.
Neagus, John P.	Rose, Frank E.	Tripp, Jabez D.
Negus, Southward P.	Rounsevell, Walter S.	Tripp, John E.
Nowell, Joseph C.	Ryan, Joseph M.	Tripp, Joseph J.
O'Connor, Cornelius	Sherman, David W., Jr.	Willis, Charles L.
Patnaude, Joseph	Shirley, Percy E. S.	Wilson, Wallace B.
Paul, George H.	Sisson, Frank E.	Wood, John
Pedro, George E.	Snow, Henry K.	Wordell, Wilson I.
Peirce, Edward E.	Snow, Richard B.	Worden, John O.
		York, Joseph

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WEIGHERS OF BOILERS AND HEAVY MACHINERY.

Bowman, Fred G.	Gray, Charles A., Jr.	Sisson, William H. H.
Brooks, Nathan B.	Hathaway, B. F., Jr.	Smith, John
Corson, Frank E.	Howard, Henry	
Godfrey, Eva B.	Stone, Walter A.	

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FENCE VIEWERS.

Cobb, George A.	Pierce, Crawford S.	Williston, Leander A.
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POUND KEEPERS.

Dayton, Luther M.	Manchester, John B.	Russell, Elisha E.
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FIELD DRIVERS.

The Police, William H. Johnson, (Smith street), John B. Manchester.

1895—CITY DOCUMENT No. 3.

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CITY OF NEW BEDFORD, MASS.

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TWENTY-SIXTH ANNUAL REPORT

OF THE

# NEW BEDFORD WATER BOARD

TO THE

CITY COUNCIL,

CONTAINING :

I.

The Report of the New Bedford Water Board for 1895; including the  
Fifth Quarterly Report upon the Further Water Supply.

II.

The Report of the Water Registrar.

III.

The Report of the Superintendent.

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DECEMBER 28, 1895.

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NEW BEDFORD :

MERCURY PUBLISHING COMPANY, CITY PRINTERS.

1896.

# NEW BEDFORD WATER BOARD.

1896.

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DAVID L. PARKER,

*Mayor of the City.*

---

ARTHUR L. BLACKMER,

*President of the Common Council.*

---

EDMUND WOOD.

THOMAS B. TRIPP.

DAVID B. KEMPTON.

---

CLERK OF THE BOARD, AND SUPERINTENDENT.

ROBERT C. P. COGGESHALL.

---

WATER REGISTRAR.

JAMES H. HATHAWAY.

---

FOREMAN.

JOHN C. DEMELLO, JR.

---

PUMPING STATION.

ADONIRAM S. NEGUS, *Pumping Engineer.*

---

INSPECTORS.

CLIFFORD BAYLIES.

ARTHUR R. WEEKS.



# REPORT.

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CITY OF NEW BEDFORD,  
OFFICE OF NEW BEDFORD WATER BOARD,  
December 28, 1895.

*To the City Council of the City of New Bedford:*

Gentlemen:—The New Bedford Water Board have the honor to submit herewith their twenty-sixth annual report and their fifth quarterly report upon the Further Water Supply.

The regular work of the year connected with the care and maintenance of the present works, has been so daily interwoven with the various discussions and action on the new system, that they may be best considered together in one report.

The general scheme of adding to our supply, which has already been fully outlined to you, has been quite closely adhered to;— that of joining Little and Great Quittacus Ponds by sufficient aqueduct, establishing at this source of supply our pumping station, forcing the water up through a gradually rising steel pipe force main eight miles long, to the large distributing reservoir located upon the highest point of land to be found within a practical distance from New Bedford—a point called High Hill in Dartmouth,— thence leading the water by gravity through a 36-inch cast iron distributing main directly into the city.

By far the larger part of the work so far has been in the line of engineering, and shows but little.

It has been necessary to make a complete survey of the lands about the ponds, and in many cases far back along the lines of the principal feeders. Property lines have been traced, sometimes with much difficulty, to aid us in acquiring the land which may be considered necessary for the city to own.

All this surveying, and indeed all the engineering connected with the project, have been conducted by Messrs. Rice & Evans.

The line of the force main has been several times altered to obtain some new advantage, but is now permanently established. It consists in the main, of a strip of land 5 rods wide, from Little Quittacus pond to High Hill reservoir, crossing the railroad at Braley's Station. It passes through Bolton Swamp, as wild, trackless, and unfamiliar a section of territory as exists in this locality. Some owners are unknown, and some who are known have no accurate knowledge of their bounds.

Much of this whole strip has already been acquired by purchase. During the past month it has been examined and valued by three appraisers selected by the Board, disinterested men, who would be acknowledged by all, to be familiar with such values.

The owners of these lands have been found to be reasonable in their dealings with the city, but for the purpose of securing a surer title in some cases, and for other legal reasons, it has been considered better to formally condemn the whole strip. This has been done, and the papers and plans filed according to law.

This need lead to no litigation with the owners as they will be met and dealt with directly by the board, as fast as they are found.

The contract for furnishing the pipe and laying it in this

strip of land, will be put upon the market for competitive bids, early in the spring.

Work on the reservoir has progressed satisfactorily until the cold weather set in. The ground has been cleared, the new road around the reservoir been constructed and graded, and a fair amount of excavation and building up of the embankment been accomplished.

Every step has been faithfully watched by our engineers, the quality of stone approved, every barrel of cement tested, and that slow building up and continuous rolling of the embankment been insisted on, which will ensure us a thorough and satisfactory result.

The way of getting this supply of water down into the city proposed in our first plans was the most natural and obvious one. By the main road to Faunce's corner, thence easterly along the Plainville road to Shawmut avenue, thence southerly into the city. It was soon decided to give up Shawmut avenue on account of the bad bottom on which to lay so heavy a pipe, and the unpromising character of the country for building purposes through which it passes. It is now proposed to keep on along the Plainville road to Perry's neck, and thence southerly into the city by the way of Mt. Pleasant street. This has the advantages of a better bottom for the pipe—better prospect of a goodly number of paying water takers along the line, and lastly it brings the main distribution nearer to Lund's corner. This locality will eventually demand a much larger supply, and it will come naturally by means of the Tarkiln Hill road.

There are advantages to be gained by the Board's proceeding slowly in the settlement of these details in our general plan. During the last few months another change in the line of this distribution pipe has been studied out which is an obvious and easily demonstrated improvement, and which will result in quite a saving of money. This

scheme is to cut directly across the country from the reservoir to the Race track corner, and thus not only very much shorten the distance, but also avoid two very uncertain elements in the old route, the very rocky hill between Faunce's corner and Turner's pond, and the rather precarious dam over which that road passes.

Without estimating this last saving, which would depend upon the amount of blasting encountered and the probable strengthening and building over the dam, the change can be proved undoubtedly advisable by the great shortening of the distance, and the diminished quantity of large and expensive pipe required. The distance by the first route was 8680 feet and the estimated cost of the pipe, \$52,842, the more direct line which has been surveyed measures 7,258 feet, and the estimated cost of the pipe is \$44,924.

After deducting from this difference \$7,918, the cost of the strip of land which will have to be purchased, the balance shows the financial value of "second thoughts" which in this case fortunately came to the Board, before money had been expended on the original plan.

In the near future when a second similar pipe shall be laid alongside of the first, for a precautionary second supply, as is common in other cities, this saving would of course be doubled.

Carefully prepared specifications of this 36 inch cast-iron distribution pipe has been submitted for competitive bids to four of the principal founders of the country, and the contract for furnishing it has been this month awarded to the lowest bidders, viz., the Warren Foundry and Machine Co., of Phillipsburg, New Jersey.

By the conditions of this contract, this pipe is all to be furnished before the month of August, and the work of placing it in the ground will be undertaken during the summer.

Another important element in the work of providing the



new supply is the obtaining of the proper pumping engines to force the water from the Quittacus ponds to the High Hill reservoir.

In our original estimates we provide for two engines, each of a capacity of 10,000,000 gallons every twenty-four hours.

The best method of securing these engines early, engaged the attention of the Board.

The question of first cost is of small moment, when compared with the economy of performance through a series of years. It is impossible to satisfactorily purchase pumping engines by any ordinary competition, even when limited to well known engine builders. Each builder bids on his own type of engine, and with his own idea of the quality of the work which will be good enough. There can be no real competition when we compare such bids on radically different pieces of machinery. It is seldom satisfactory.

There is little probability that our city will ever build another bridge, and have each builder submit his own plan with his bid.

We have decided to cut loose from the conventional method, and have a notable pumping engineer draw plans of a special engine suited to all our conditions, and these conditions vary much in every city's problem. With these plans shall be prepared a full set of specifications, and providing for the fullest inspection. These plans and specifications will then be submitted to prominent engine builders throughout the country for bids, and with the knowledge that they are all bidding on the same thing, we shall have the assurance that the competition is real.

The Board has engaged Mr. E. D. Leavitt, of Cambridge, to design our engines and work upon the plans is now under way. Mr. Leavitt is recognized as one of the foremost, if not the foremost designer of pumping engines

in the world, and the records of his engines now in use at the Calumet and Hecla mines, as well as those for the city of Louisville, and for the city of Boston, for both high duty and durability, are such as to warrant our belief that the city of New Bedford will receive a worthy engine at his hands.

A most important work during the year has been the purchase of a large part of the land bordering on both Little and Great Quittacus ponds:

It soon became evident that the only wise course for the City to pursue was to own the water-shed of the ponds.

Before this desire of the Water Board became known, and while land was still uninflated in value, certain agents were employed to buy as for themselves, and before the public was made aware of the project, a large part of the land had been secured at a fair market price, and much below the inflated price, which is generally prepared for a municipal purchaser.

The extent of the scheme and the labor involved will be better understood, when it is known that the shore line of Little and Great Quittacus ponds together with the islands measures over 12 miles, and the land purchased varies in depth from 300 to 3000 feet.

There is still some land to be acquired, but such a large proportion of it has already been secured, that the market price has become pretty well established and will not be exceeded by the City in the further purchases.

The City is to be congratulated upon gaining absolute control of such a large proportion of the water-shed of its water supply for such a small outlay of money.

The regular work of the Department, that of the care and maintenance of the present plant, has proceeded quietly but satisfactorily.

On June 13, David B. Kempton was re-elected a member of the Board, for a term of three years.

On January 25, a contract was made with the Walworth Manufacturing Company of Boston, for a supply of screw taps, curb stops, and stop-box fittings.

The consideration was from 50 cents to \$1.05 each, for taps. From 40 cents to 83 cents each, for sidewalk stops, and 18 cents per pound for stop-box fittings.

A contract was signed on Sept. 5th by the Fuel Committee of the City Council with Denison Bros. Co., for a supply of 1200 gross tons of George's Creek Cumberland coal, the consideration to be \$3.19 per gross ton delivered at the pumping station.

A contract was signed on December 4th, with R. D. Wood & Co., of Philadelphia, for 750 gross tons of cast iron pipe, and about 23,500 pounds of special castings. The consideration is to be \$21.20 per gross ton for the pipe and 2½ cents per pound for the special castings. Both prices include delivery upon the wharf in New Bedford.

The contract for the large distributing pipe from the new reservoir into the city was signed on December 24th, with the Warren Foundry & Machine Co., of Phillipsburg, New Jersey. It was for 4,885 gross tons of 36, 30, and 24 inch pipes, at \$20.90 per gross ton; 35 gross tons of 16, 12, 8, and 6 inch pipes, at \$21.90 per gross ton; 250 gross tons of special castings at \$49.28 per gross ton. This contract is estimated in amount to be \$115,183.

The following is a brief statement of the financial operations of the past year :—

Balance Dec. 1st, 1894,	\$63,909.09
Receipts for the year, all sources,	104,331.66
	<hr/>
	\$168,240.75

The charges have been as follows :—

Expenditures for management and repairs,	\$86,995.39
Expenditures for extensions,	41,441.93
	<hr/>
	\$128,437.32

Which leaves a balance to the credit of the works on the books of the City Treasurer, Dec. 1, 1895, \$39,803.43

## DEBITS.

Balance Dec. 1, 1894,	\$63,909.09
Receipts from water rates,	\$86,150.05
Receipts from rents, sales, etc.,	1,188.76
Receipts from laying main and service pipes in private property, and fines,	4,992.85 = 92,331.66
General appropriation for use of water for public purposes,	12,000.00
General appropriation by tax levy to make up deficit,	13,600.00
	<hr/> \$181,840.75

## CREDITS.

Management and repairs less interest, bonds paid, and sinking funds,	\$34,295.39
Extension of works,	41,441.93
Interest on bonds, general appropriations,	7,600.00
Interest on Sylvia Ann Howland fund, general appropriations,	6,000.00
Interest paid from water rates,	22,000.00
Bonds paid from water rates,	20,000.00 = 55,600.00
Sinking funds paid from water rates,	2,700.00
Sinking funds (further supply) paid from water rates,	8,000.00
Balance Dec. 1, 1895,	39,803.43 = \$181,840.75

The actual outlay for the construction of these works Dec. 1, 1895, exclusive of debt, interest, and management and repair account is \$1,661,508.60.

Statement of Further Water Supply Account :

## RECEIPTS.

Bonds issued Dec. 15th, 1894	\$200,000.00
Premium on same.	18,632.00
From water rates to pay Sinking Fund,	8,000.00
From general appropriations to pay interest,	6,334.00
Sale of wood,	475.00
Sale of land,	1,000.00
	<hr/> \$234,441.00



## EXPENDITURES.

Amount paid as per schedule,	\$98,240.34	
Sinking fund,	8,000.00	
Interest on bonds,	6,334.00	112,574.34
Balance to the credit of account Dec. 1, 1895,		\$121,866.66

Thirty seven petitions have been received for the extension of main pipes. Of this number thirty-four have been granted.

Thirty-one thousand eighty feet of main distribution pipe has been laid, and twenty-two thousand four hundred fifty-three feet of that previously laid has been removed, making a total of  $76\frac{2875}{10000}$  miles now in use.

The number of service pipes has been increased 260. The total number now in use is 8027.

Early in the year the question of injury to the water-pipes by escaping electric currents engaged the attention of the Board.

This Board recommended to the Board of Public Works that in view of the very large extensions of the trolley wire systems by the Street Railway Company, that the latter company be required to furnish the city a satisfactory bond to protect the city from any damage inflicted by their current, and also that they properly bond the rails, and lay return feed wires, according to certain definite specifications to be furnished by the city.

Such a bond has been given the city by the Street Railway Company, and the rails which they have re-laid have been much more thoroughly bonded. Heavy and proportionate wires have also been put up to carry back to the power station the return current.

In view of the trouble which other cities have had with electrolytic action on pipes, etc., it was thought best to take every precaution.

It was decided to engage electrical experts who should

make a thorough examination of the electrical condition of the ground before the new current should be turned on by the Street Railway Co. and then later when the new system was in operation to take another set of observations.

Messrs. Stone & Webster of Boston were engaged to make these tests. At irregular intervals during the year they have taken potential measurements of the water piping system, and they are now engaged in preparing a full report of the result of their experiments, and also a chart of the city showing at various points the observed potential of electrical current in the ground.

The establishment of the repair shop several years ago on North Water street, was a wise step and its importance to the department has increased. For some time the Board have felt that more room was needed. At length a favorable opportunity has offered, and in the month of November, the Board purchased of Rodolphus Beetle the land north of the repair shop consisting of 49 rods for \$3,500.

This will afford room for the cheaper and more convenient storage of our pipe, and also for a small but much needed stable for the horses needed and used by the department.

These horses have been for many years boarded at the City stables at a weekly board of \$4.00 each. But the distance is so great, that it is exceedingly inconvenient and a change will probably be made the coming year.

The quality of the water during the past year has been good, and the supply sufficient, but the conduit has been taxed beyond its safe capacity to bring it into the city.

It is interesting to note in the Superintendent's report to us, that when a portion of the water of Little Quittacus is let down into the present Long Plain Storage Reservoir, the effect is most marked and easily detected. The water in the city becomes much whiter and clearer, and many

citizens immediately notice it with strong approval. There is no doubt that the water of the two Quittacus ponds is remarkably white and clear, as fine as any in the State. A little of it mixed with our old supply is a wonderful improvement. When the new works shall have been completed, and the white water been directly conveyed into the homes of our citizens, uncontaminated by having to pass through the coloring vat of our old reservoir, we shall all revel in its pure whiteness on our tables, and a return to the healthful but amber colored fluid of the present day, could never be tolerated by our people.

Very respectfully submitted,

DAVID L. PARKER,  
OLIVER PRESCOTT, JR.,  
EDMUND WOOD,  
THOMAS B. TRIPP,  
DAVID B. KEMPTON.

# Report of the Water Registrar.

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CITY OF NEW BEDFORD,  
WATER REGISTRAR'S OFFICE,  
December 1, 1895.

*To the New Bedford Water Board,*

GENTLEMEN:—I herewith present to you the annual statement of my accounts as Water Registrar for the year ending at this date.

## RECEIPTS.

Balance Dec. 1, 1894,			\$63,909.09
Receipts for water:			
Rates, domestic,	\$79,148.69		
Rates, manufacturing,	7,001.36		
Appropriation for public buildings and fire hydrants,	12,000.00	\$98,150.05	
Receipts for services,		2,232.74	
Receipts for meters,		785.42	
Receipts for fines,		100.00	
Receipts for mains,		2,660.11	
Receipts for mill piping,		182.62	
Receipts for shop work,		18.74	
Receipts for incidentals,		81.98	
Received from other sources:			
Rent Duffy house, Long pond	\$25.00		
Sale of hay,	95.00	120.00	104,331.66
			<hr/>
			\$168,240.75
Expenditures for the year ending Dec. 1, 1895,			<hr/>
			128,437.32
			<hr/>
Balance cash in treasury Dec. 1, 1895,			\$39,803.43

## EXPENDITURES.

## MANAGEMENT AND REPAIRS.

*Engineering and superintendence :*Salaries  
per year

\$2400	R. C. P. Coggeshall, sup't,	\$2,194.62	
1200	John C. DeMello, Jr., foreman,	1,163.70	
800	Stephen H. Taylor, office ass't,	797.85	
300	F. L. Pope, Jr., office ass't,	290.86	
	Pay roll,	2.00	\$4,449.03

*Water Registrar :*

1000	Jas. H. Hathaway, water reg.,	997.31	
1000	Clifford Baylies, inspector,	997.31	
850	Arthur R. Weeks, inspector,	847.72	2,842.34

*Inspection and clerk hire :*

	Joseph P. Rose,	624.00	
	Clifford Baylies, postage acc'ts	10.00	
	Arthur R. Weeks, " "	10.00	
	Stephen H. Taylor, " "	10.00	
	F. L. Pope, Jr., " "	1.50	
	Night inspection,	114.41	
	General inspection,	148.75	
	Distributing water bills,	88.75	1,007.41

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\$8,298.78*Pumping Expenses :**Engineers, firemen and watchmen,*

1600	A. S. Negus, engineer,	1,545.97	
1025	Patrick Gibbons, asst. engin'r,	1,022.24	
	James H. Weeks, " "	750.00	
	H. F. Teachman, " "	698.00	
	C. J. Buckley, fireman,	618.00	
	E. F. Drown, " "	621.00	
	Michael Finn, " "	624.00	
	J. J. Da Silveira, laborer,	270.00	
	A. S. Marciel, " "	374.00	

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\$6,523.21

	Fuel for pumping engines,	\$4,834.15	
	Oil, waste, packing and gas,	281.18	
	Other supplies,	164.59	
	Repairs of engines,	586.60	
	Repairs of boilers,	19.71	
	Incidentals,	76.13	
	Maintenance of engine house and lot,	354.64	\$12,840.21
	Maintenance of mains,		1,058.02



*Services :*

Labor and stock,	\$79.43		
New stop boxes, clearing taps, etc.,	530.04		
Plumbing,	445.56	\$1,055.03	
Fountains and meters,		306.04	
Water street work shop and pipe yard,		5,059.55	
Receiving and distributing reservoir and stand pipe,		473.41	
Storing reservoir, dam and conduit,		739.14	
Travelling expenses, car fares, etc.,		289.13	
Telephone and telegraph dispatches,		491.19	
Postage,		77.65	
Incidentals,		72.93	
Printing and stationery,		481.80	
Typewriting and copying,		28.59	
Expressage,		11.85	
Board of horses,		767.15	
Shoeing and maintenance of horses,		103.89	
Repairing wagons and harnesses,		164.92	
Office supplies,		116.23	
Renovating Water Board office,		201.72	
Labor for Telephone Co., Gas Co., and circus,		179.31	
Taxes,		92.29	
Express wagon,		100.00	
Repairs of house at storing reservoir,		.50	
Connection with Little Quittacus,		1,271.51	
Supplies for meteorological instruments,		14.55	
Permanent debt, bonds paid,	20,000.00		
"    "    interest,	22,000.00	42,000.00	
Sinking funds,		2,700.00	
"    "    further water supply,		8,000.00	\$86,995.39

## EXTENSIONS.

*Mains :*

Main pipe and special castings,	\$18,865.02		
Labor laying mains,	8,716.71		
Lead, carting and blacksmith work,	1,885.93		
Other supplies,	1,526.16		
Stop-gates, hydrants, etc.,	3,517.70		
Unloading pipe and wharfage,	526.02	\$35,037.54	

*Services :*

Service pipe, lead and iron,	1,646.34		
Taps, stop-boxes and other supplies,	1,690.16		
Labor laying services,	1,443.20		
Plumbing,	287.78	5,067.48	

Mill piping,	\$217.10	
Fountains and meters,	901.12	
Enlarging Little Quittacus connection,	177.32	
New flue and steam pipe,	26.18	
Preliminary work additional supply,	15.19	\$41,441.93
Total expenditures for the year,		\$128,437.32
Whole outlay upon the works to this date,		2,408,326.17
Balance Dec. 1, 1895,		39,803.43
		<u>2,448,129.60</u>

The receipts from the commencement of the works to this date have been as follows, viz. :—

Appropriations by the City Council,		\$1,038,000.00
Receipts for water and other sources,		1,410,129.60
		<u>\$2,448,129.60</u>
Deduct total outlay,		2,408,326.17
		<u>\$39,803.43</u>
Balance as above, Dec. 1, 1895,		\$39,803.43
Outlay as above,		\$2,408,326.17
Deduct from outlay,		
Paid for management and repairs,	\$549,029.43	
Interest paid,	95,788.14	
Bonds paid,	\$5,000.00	
Sinking funds,	9,000.00	
“ “ further water supply,	8,000.00	\$746,817.57
		<u>\$1,661,508.60</u>
Actual cost of works,		\$1,661,508.60
Total receipts for water,		\$1,410,129.60
Deduct the amount paid for maintenance,		
debt, interest and sinking funds,		746,817.57
		<u>663,312.03</u>
Water receipts applied to construction,		663,312.03

The funds for the construction of the works have been derived from the following sources, viz. :—

Investment of Sylvia Ann Howland educational bequest,	\$100,000.00
Sylvia Ann Howland water bequest,	100,000.00
Received from sale of bonds,	815,000.00
Net receipts applied to construction,	663,312.03
Appropriation for construction in 1885,	23,000.00
	<u>\$1,701,312.03</u>
Deduct balance Dec. 1, 1895,	39,803.43
	<u>\$1,661,508.60</u>
Cost of works as stated above,	\$1,661,508.60

The water debt at this date is as follows, viz. :

Water bonds, 7 per cent.,	\$100,000.00
“ 6 “	180,000.00
“ 5 “	100,000.00
“ 4 “	140,000.00
“ 4 “ further water supply,	200,000.00
Sylvia Ann Howland bequest, 6 per cent.,	100,000.00
	<hr/>
	\$820,000.00
Less sinking funds,	18,506.41
	<hr/>
Net water debt Dec. 1, 1895,	\$801,493.59
Outlay for management and repairs,	\$86,993.39
Outlay for extensions,	41,441.93
	<hr/>
	\$128,437.32

Deductions :

Receipts for services,	\$2,232.74	
Receipts for meters sold,	785.42	
Receipts for mains,	2,660.11	
Receipts for fines and other sources,	503.34	6,181.61
		<hr/>
Net expenditures,		\$122,255.71

Amount appropriated by the City Council in 1895	
for interest on water loan,	\$13,600.00
Net expenditures by the Water Board,	122,255.71
	<hr/>
Actual amount expended in 1895,	\$135,855.71
Water receipts in 1895,	\$98,150.05
Water receipts in 1894,	95,516.19
	<hr/>
Increase in 1895,	\$2,633.86

Summary of expenditures for “Further Water Supply” to Dec. 6, 1895.

Cost of issuing water bonds,	\$476.55
Salaries,	1,600.02
Traveling and other expenses,	180.78
Telephone and telegraph messages,	19.95
Printing and stationery,	14.35
Water gaugings at Quittacus ponds,	851.18
Maintenance of rain gauges,	63.00
Survey and map of Quittacus ponds,	967.75
Dam at outlet of Great Quittacus pond,	131.50

## Lands bordering upon Quittacus ponds :

Surveying and placing bounds,	\$2,578.91	
Examination of titles and other expenses,	2,726.69	
Cost of land and options,	47,621.57	\$52,927.17

## Pumping station :

Engineering,	51.75
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## Force main :

Engineering including surveying and placing bounds,	\$5,174.97	
Examination of titles and other expenses,	67.00	
Cost of land,	991.59	
Cost of gates,	684.13	\$6,917.69

## Distributing reservoir at High hill :

Engineering including surveying and placing bounds,	4,923.99	
Examination of titles and other expenses,	111.22	
Cost of land,	8,786.00	
Moving buildings,	497.85	
Carriage hire,	10.00	
Contract, construction of High hill reservoir,	16,850.23	
Cast iron piping,	2,142.22	
Masonry inspector,	151.00	33,472.51

## Distributing main from High hill reservoir to City :

Engineering, including surveying and placing bounds,	566.14
	<hr/>
	\$98,240.34

JAMES H. HATHAWAY,  
Water Registrar.

# Report of the Superintendent.

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NEW BEDFORD WATER WORKS,  
SUPERINTENDENT'S OFFICE,  
December 2, 1895.

*To the New Bedford Water Board.*

GENTLEMEN :—The Superintendent's twenty-sixth annual report for the year ending December 1, 1895, is herewith respectfully presented.

During the spring months, an unusually large amount of vegetable deposit appeared in the water, causing it to have quite a deep color. This condition was accompanied by a slightly swampy taste and odor. This trouble was of short duration, for a general flushing of all the hydrants and waste gates throughout the city was ordered, which resulted in a great improvement in the water, and a little later the condition was still further improved by the introduction and mixing with it, the water of Little Quittacus pond.

It has been the practice of the past few years, to keep the water level of the storage reservoir as near the flowage line as was possible. It is of course easy to do this during the spring and winter months, as its tributary water shed is then abundantly able to provide for the filling of a much larger basin; but during the summer period it would rapidly settle were it not for the supply which is allowed



to flow from Little Quittacus pond as needed. This flow is regulated according to the demands of the City's consumption, with the idea in view of keeping a full reservoir, and not wasting any water at the overflow. Aside from the advantage of maintaining a full reservoir, which tends to keep the quality of the water in the best possible condition, the quality and appearance is improved by the mixture of the beautiful white Quittacus water. After this supply is turned on in June of each year, the reservoir water gradually whitens, as will be observed by examining the statement regarding the color of different samples collected each month, as shown in the State Board of Health table here presented. In October of each year, the water supplied our consumers is really very white, but soon after the Quittacus supply is shut off for the season, which is generally sometime during that month, the conditions quickly change, and the color gradually lapses back, until by the middle of the winter it has again reached its darkest shade.

The State Board of Health has continued its examination of samples supplied each month. The result of their work is herewith shown, and has been kindly supplied through the courtesy of X. H. Goodnough, acting chief engineer.

# WATER ANALYSIS, STATE BOARD OF HEALTH.

PARTS IN 100,000.

Number	DATE OF		APPEARANCE			ODOR		RESIDUE ON EVAPORATION		AMMONIA			NITROGEN AS		Hardness	Oxygen Consumed	Iron			
	Collection	Examination	Turbidity	Sediment	Color	Cold	Hot	Total	Loss on Ignition	Fixed	Free	Total	In solution	In suspension				Nitrates	Nitrites	Chlorine
13694	1895 Jan. 21	Jan. 22	Very slight.	Very slight.	1.50	Distinctly vegetable sweetish.	Decidedly vegetable sweetish.	5.75	2.50	3.25	.0022	.0228	.0182	.0046	.55	2.2340	.0175			
13880	Feb. 25	Feb. 26	Very slight.	Considerable dark brown.	1.20	Decidedly vegetable sweetish.	Decidedly vegetable sweetish.	5.40	1.90	3.50	.0020	.0200	.0192	.0008	.63	1.0625	.0250			
14035	Mar. 25	Mar. 26	Very slight.	Slight.	.80	Distinctly vegetable sweetish.	Distinctly vegetable sweetish.	4.10	1.40	2.70	.0002	.0136	.0114	.0022	.52	.7199	.0175			
14195	Apr. 22	Apr. 23	Very slight.	Very slight.	1.05	Distinctly vegetable sweetish.	Distinctly vegetable sweetish.	4.55	2.40	2.15	.0004	.0194	.0180	.0014	.53	.9756	.0110			
14370	May 27	May 28	Very slight.	Slight.	1.35	Decidedly vegetable sweetish.	Decidedly vegetable sweetish.	5.20	3.00	2.20	.0038	.0246	.0212	.0034	.52	1.2882	.0200			
14537	June 25	June 26	Very slight.	Slight rusty.	1.60	Faintly vegetable	Decidedly vegetable and unpleasant.	5.05	2.85	2.20	.0012	.0292	.0270	.0022	.52	1.2320	.....			
14725	July 26	July 30	Slight.	Considerable.	1.10	Distinctly vegetable sweetish.	Faintly vegetable	5.35	1.80	3.55	.0000	.0262	.0238	.0024	.42	.9856	.....			
14988	Sept. 4	Sept. 5	Slight.	Slight.	.75	Faintly vegetable	Faintly vegetable	4.10	1.90	2.25	.0006	.0214	.0192	.0022	.51	.6891	.....			
15231	Sept. 23	Sept. 24	Very slight.	Slight.	.60	Distinctly vegetable.	Distinctly vegetable.	3.95	1.75	2.20	.0000	.0212	.0184	.0028	.52	.5265	.....			
15434	Oct. 27	Oct. 29	Very slight.	Very slight.	.30	Faintly vegetable and mouldy.	Distinctly vegetable and mouldy.	3.50	1.35	2.15	.0000	.0208	.0160	.0048	.53	.4602	.....			
15606	Nov. 25	Nov. 26	Very slight.	Very slight.	.62	Distinctly vegetable.	Distinctly vegetable.	4.35	1.95	2.40	.0008	.0206	.0194	.0012	.48	.6864	...			
15733	Dec. 23	Dec. 24	None.	Very slight.	1.20	Distinctly vegetable.	Distinctly vegetable.	6.15	2.95	3.20	.0030	.0262	.0254	.0008	.61	1.2397	.....			

The samples were collected from the conduit at the entrance to the receiving reservoir.

Scale of colors:

0=Colorless.  
1=Yellowish brown tint.  
2=Deep yellowish brown tint.

# WATER ANALYSIS. STATE BOARD OF HEALTH.

PARTS IN 100,000.

Number	DATE OF		APPEARANCE		ODOR		RESIDUE ON EVAPORAT <sup>N</sup>		AMMONIA			NITROGEN AS		Oxygen Consumed	Hardness	Iron				
	Collection	Examination	Turbidity	Sediment	Color	Cold	Hot	Total	Loss on ignition	Fixed	ALBUMINOID						Chlorine	Nitrates	Nitrites	
											Free	Total	In solution							In suspension
14192	1895 Apr. 22	Apr. 23	Very slight.	Slight.	0.63	Faintly vegetable sweetish.	Distinctly vegetable sweetish.	3.35	1.50	1.85	.0002	.0142	.0128	.0014	.51	.0030	.0000	.6912	0.8	.0050
14986	Sept. 4	Sept. 5	Slight.	Slight.	0.30	Faintly vegetable.	Distinctly vegetable.	3.35	1.05	2.30	.0000	.0172	.0160	.0012	.55	.0000	.0000	.4635	0.5	.....
15820	Dec. 30	Jan. 1	Very slight.	Slight.	0.27	Disunctly fishy.	Faintly unpleasant	3.20	1.10	2.10	.0000	.0148	.0112	.0036	.52	.0030	.0000	.4042	0.5	.....

These samples were collected from Great Quittacus pond.

Scale of colors :

0=Colorless.

1=Yellowish brown tint.

2=Deep yellowish brown tint.

# WATER ANALYSIS. STATE BOARD OF HEALTH. PARTS IN 100,000.

Number	DATE OF		APPEARANCE			ODOR		RESIDUE ON EVAPORAT'N			AMMONIA			NITROGEN AS		Oxygen Consumed	Hardness	Iron		
	Collection	Examination	Turbidity	Sediment	Color	Cold	Hot	Total	Loss on ignition	Fixed	Free	ALBUMINOID		Nitrates	Nitrites					
												In solution	In suspension						Chlorine	
14303	Apr. 22	1895 Apr. 23	Slight.	Considerable white.	0.17	Faintly vegetable sweetish.	Very faintly vegetable.	3.15	1.30	1.85	.0000	.0142	.0128	.0014	.51	.0000	.0000	.3752	0.8	.0000
14987	Sept. 4	Sept. 5	Slight.	Slight.	0.15	Very faintly vegetable.	Faintly vegetable.	3.15	1.20	1.95	.0008	.0196	.0154	.0042	.56	.0080	.0000	.2911	0.8	.....
15821	Dec. 30	Jan. 1	Very slight clayey.	Slight brown.	0.22	Distinctly vegetable.	Distinctly vegetable.	3.20	1.25	1.95	.0016	.0150	.0130	.0020	.47	.0030	.0000	.2733	0.5	.....

These samples were collected from Little Quittacus pond.

Scale of colors:

- 0=Colorless.
- 1=Yellowish brown tint.
- 2=Deep yellowish brown tint.

# WATER ANALYSIS. STATE BOARD OF HEALTH.

PARTS IN 100,000.

Number	DATE OF		APPEARANCE		ODOR		RESIDUE ON EVAPORATION			AMMONIA			NITROGEN AS		Oxygen Consumed	Hardness	Iron
	Collection	Examination	Turbidity	Sediment	Color	Cold	Hot	Total	Loss on Ignition	Fixed	Free	Total	In solution	In suspension	Chlorine		
14194	Apr. 22	18 95 Apr. 23	Slight.	Considerable.	1.10	Faintly vegetable sweetish.	Faintly vegetable.	4.10	2.55	1.55	.0002	.0212	.0172	.0040	.50	1.0625	0.5
14985	Sept. 4	Sept. 5	Slight.	Slight.	0.63	Distinctly vegetable.	Distinctly vegetable.	3.80	1.90	1.90	.0004	.0160	.0148	.0012	.62	.7315	0.4
15819	Dec. 30	Jan. 1	Distinct.	Slight.	0.93	Distinctly vegetable and mouldy.	Distinctly vegetable and mouldy.	4.30	2.30	2.00	.0004	.0200	.0182	.0018	.48	1.0433	0.6

These samples were collected from Long pond.

Scale of colors :

0=Colorless.

1=Yellowish brown tint.

2=Deep yellowish brown tint.



The embankment around the outlet flume controlling the supply to the storing reservoir at Little Quittacus pond suddenly gave away on May 15, and the flume and channel below was quickly flooded to its fullest extent. Workmen and tools were promptly dispatched from the city, and in a few hours succeeded in checking the flow. About 800 running feet of the flume measuring from Little Quittacus pond, was completely washed out of position, and it required a considerable amount of excavating to replace the work. The two road bridges crossing this flume, viz., at the North Rochester and Dr. Braley roads, received quite a severe washing, which had a tendency to undermine their foundation, but a careful examination revealed the fact that no damage had been done. This break was caused by a muskrat, which had burrowed from the pond side completely through the embankment. Permanent repairs of a substantial nature and proof against the depredations of muskrats have since been made.

On June 24th, when the auxiliary supply from Little Quittacus pond was first opened, the water level of that pond was 14 inches below high water. From July 2nd to 26th, this flow was discontinued to allow needed repairs to be completed to various parts of the flume and embankment as above described. On October 7th, when this supply was finally closed for the season, the water level stood 58 inches below high water. The pond is now rapidly filling.

Considerable land has been cleared near Little Quittacus pond, in the vicinity of the outlet flume, also at the point known as the "Devils foot." This has been done in order that these points might be carefully examined in reference to selecting a location for the proposed new pumping station.

The carriage road leading from the North Rochester road to Little Quittacus pond has been considerably improved.

Repairs have been made to the slope wall on the south side of the road opposite the former Ansel White homestead. The railing protecting the road at this point has been renewed. No other repairs have been needed in connection with the storing reservoir.

The conduit leading from the storing reservoir to the city, has been thoroughly scrubbed and small repairs were made where it was found to be needed. This work was done in May. It required a gang of twenty-five men and occupied four days.

Let me again remind you of the fact that there are three localities along the line of the conduit which are decidedly weak, and while we are not expecting immediate trouble, it is well to remember that these places exist. Take for instance, the waste-way just below the gate house at the storing reservoir. This structure rests upon a plank foundation, which is undermined and has settled considerably. It has been in this condition for several years, and its walls have been reinforced and repaired from time to time, and probably no sudden break need be looked for. But the cracks display the weakness of the masonry, which will never be in a proper condition until entirely removed and rebuilt upon a newly prepared foundation. This cannot easily be done until the new supply shall be acquired; meanwhile this conduit must at times be crowded to its extreme limit, in order to meet the demands of the consumers.

Engine No. 1 (McAlpine) has been in operation 2,875 hours, making 2,418,170 revolutions, and pumping 708,524,310 gallons of water.

The principal repair to this engine, consists of the renewal of all the rubber water valves (both foot and plunger) 20 in number. Other repairs have been very slight.

The cost of pumping has been as follows, viz. :—

Salaries, 19½ weeks,	at \$125.4463	\$2,414.84
407.36605 gross tons Pocahontas coal,	at 4.20	1,710.94
73.41517 gross tons George's Creek Cumberland coal,	at 3.19	234.19
¼ cord white pine wood,	at 4.00	1.00
30½ gallons cylinder oil,	at .43	12.98
14½ gallons sperm oil,	at .96	14.16
36 gallons lubricating oil,	at .32	11.52
157 pounds waste,	at .09	14.13
6 brooms,	at .25	1.50
11 pounds 1½ inch flax packing,	at .425	4.68
Proportion of maintenance of electric light plant,		112.68
Repairs to engine,		348.64
Repairs to boilers,	8.22	\$4,889.48
Cost of raising water into distributing reservoir per million gallons,		6.90
Cost of raising water one foot high per million gallons,		5 <sup>12</sup> / <sub>100</sub> cents.

Engine No. 2 (Worthington) has been in operation 520 hours, making 597,303 revolutions, and pumping 85,736,-844 gallons of water.

The cost of pumping has been as follows, viz. :—

Salaries, 3½ weeks,	at \$125.4463	\$407.70
37.58927 gross tons Pocahontas coal,	at 4.20	157.87
10.89285 gross tons New River coal,	at 4.12	44.88
25.08928 gross tons George's Creek Cumberland coal,	at 3.19	80.03
½ cord white pine wood,	at 4.00	1.33
10½ gallons cylinder oil,	at .43	4.57
2½ gallons lubricating oil,	at .32	.92
9 pounds waste,	at .09	.81
Proportion of maintenance of electric plant,		12.24
Repairs to engine,		20.48
Repairs to boilers,	1.40	\$732.23
Cost of raising water into distributing reservoir per million gallons		8.54
Cost of raising water one foot high per million gallons,		6 <sup>76</sup> / <sub>100</sub> cents.

Engine No. 3 (Worthington High Duty) has been in operation 4428 hours, making 4,707,748 revolutions and pumping 913,298,112 gallons of water. The principal repairs have been the renewal of the ram of the differential accumulator. In this case the new ram is of chilled iron, and is a decided improvement over the one formerly in use.

The cost of pumping has been as follows, viz. :—

Salaries 29½ weeks,	at \$125.4463	\$3,700.67
297.3437 gross tons Pocahontas coal,	at 4.20	1,248.84
99.6428 gross tons New River coal,	at 4.12	410.53
81.0491 gross tons George's Creek Cumberland coal,	at 3.19	258.55
26.9866 gross tons Pea coal,	at 4.50	121.44
¼ cord white pine wood,	at 4.00	1.00
102½ gallons cylinder oil,	at .43	43.91
1⅓ gallons sperm oil,	at .96	1.32
50½ gallons lubricating oil,	at .32	16.28
193 pounds waste,	at .09	17.37
11 pounds flax packing,	at .425	4.67
1½ pounds waterproof packing,	at 1.25	1.87
5 water glasses,	at .20	1.00
9 brooms,	at .25	2.25
Proportion of maintenance of electric light plant,		147.46
Repairs to engine,		216.73
Repairs to boiler,	10.09	\$6,203.98
Cost of raising water into distributing reservoir per million gallons,		6.79
Cost of raising water one foot high per million gallons,		5 <sup>3.2</sup> / <sub>100</sub> cents.

The total cost of pumping for the past year may be summarized as follows, viz. :—

1st. Figured on pumping station expenses, viz. :—	\$11,825.69
Cost of fuel used,	\$4,270.60
Salaries, engineers, firemen, watchman,	6,523.21
Cost of oil, waste, packing and other supplies,	426.32
Repairs to machinery and boilers,	605.56
	11,825.69
Raising water into distributing reservoir per million gallons,	6.93
Raising water one foot high per million gallons,	5 <sup>3.0</sup> / <sub>100</sub> cents.

2d. Figured on total maintenance,	\$69,895.39
Raising water into reservoir per million gallons,	40.93
Raising water one foot high per million gallons,	31 $\frac{34}{100}$ cents.

Now that an additional purchase of 49 square rods of land has been made on North Water street, north of the department workshop, I would call your attention to certain improvements which could be made in connection with the whole property. The lot just purchased should be cleared of all buildings, substantially fenced in, and prepared for the storage of pipe and heavy castings. This would relieve the present lot used for that purpose, and allow the erection of a stable adjacent to the workshops for the care of the department horses and teams.

Other improvements can later be suggested, but the need of a stable seems to be the most pressing at this time.

The distributing mains have been increased 31,080 feet, and there has been 22,453 feet of pipe previously laid, removed. The total number of miles of pipe now in use, is  $76\frac{2864}{10000}$ .

The following list of special work has been done in improving the distributing system. The placing of these new lines has caused the removal of 21,884 feet of wrought-iron, cement lined pipe of smaller size in each case.

Court street, County to 65 feet west of Emerson, 1697 feet, 8-inch, replacing 4, 6, and 8-inch cement lined.

Bedford street, Acushnet avenue to Anthony, 2020 feet, 8-inch, replacing 4 and 6-inch cement lined.

Anthony street, Bedford to Grove, 405 feet, 8-inch, replacing 4-inch cement lined.

Grove street, Anthony to 12 feet west of east line Cottage, 204 feet, 8-inch, replacing 4-inch cement lined.

Allen street, County to Bonney, 579 feet, 8-inch, replacing 6-inch cement lined.

Bonney street, Allen to 4 $\frac{1}{2}$  feet north of Grinnell, 577 feet, 8-inch, replacing 4-inch cement lined.

Madison street, from 7 feet east of County St. main to Orchard street, 528 feet, 8-inch, replacing 6-inch cement lined.



- Orchard street, from Madison to Hawthorn, 330 feet, 8-inch, replacing 4-inch cement lined.
- Hawthorn street, Orchard to 10 feet west of east line Cottage street, 456 feet, 8-inch, replacing 4-inch cement lined.
- Walnut street, Acushnet avenue to County street, 1,261 feet, 8-inch, replacing 6-inch cement lined.
- Seventh street, from Walnut street to Spring street, 645 feet, 8-inch, replacing 4-inch cement lined.
- School street, from 8 feet west of Sixth to Seventh street, 228 feet, 6-inch replacing 4-inch cement lined.
- Spring street, from Seventh to Eighth streets, 256 feet, 8-inch, replacing 4-inch cement lined.
- Eighth street, Spring to Union, 256 feet, 8-inch, replacing 4-inch cement lined.
- Union street, Sixth to east line County street, 713 feet, 10-inch replacing 8-inch cement lined.
- County street, Grinnell to south line Union street, 3,288 feet, 12-inch, replacing 6 and 8-inch cement lined.
- William street, from  $13\frac{1}{2}$  feet east of west line Sixth to  $19\frac{1}{2}$  feet west of east line County street, 723 feet, 8-inch, replacing 4-inch cement lined.
- Elm street, Pleasant to Sixth streets, 254 feet, 6-inch, replacing 4-inch cement lined.
- Elm street, Sixth to  $23\frac{1}{2}$  feet west of east line of County, 709 feet, 8-inch, replacing 4-inch cement lined.
- Foster street, Middle to Maxfield streets, 1,392 feet, 8-inch, replacing 4-inch cement lined.
- Sixth street, from 3 feet north of William street, main to Middle street, 558 feet, 8-inch, replacing 4-inch cement lined.
- Kempton street, Pleasant to 22 feet west of east line County street, 951 feet, 10-inch, replacing 4-inch, cast iron and cement lined.
- Middle street, from 2 feet west of west line Pleasant, to 18 feet west of east line County street, 176 feet, 6-inch, and 764 8-inch, replacing 6-inch cement lined.
- North street, Pleasant to 22 feet west of east line County street, 947 feet, 8-inch, replacing 4-inch cement lined.
- Hillman street, Pleasant to 17 feet west of east line County street, 958 feet, 10-inch, replacing 8-inch cement lined.
- Maxfield street, State to Foster, 210 feet, 8-inch, replacing 4-inch cement lined.
- State street, Maxfield to Willis, 1,029 feet, 8-inch, replacing 4-inch cement lined.
- Willis street, State to 15 feet west of east line County street, 321 feet, 8-inch, replacing 6-inch cement lined.

This work required the placing of—

3,210 feet 12-inch cast iron pipe.  
 2,588 feet 10-inch cast iron pipe.  
 15,589 feet 8-inch cast iron pipe.  
 822 feet 6-inch cast iron pipe.  
 25 feet 4-inch cast iron pipe.  
 30 feet 1 inch lead pipe.  
 68 feet  $\frac{3}{4}$  inch lead pipe.  
 50 stop gates.  
 30 fire hydrants.  
 3 waste gates.  
 9 air taps.

The cost was as follows:—

Pipe,	\$11,177.82	
Special castings,	1,243.70	
Gates,	1,421.04	
Hydrants,	1,107.00	
Lead and gasket,	1,017.29	
Carting,	511.72	
Repairs road-beds,	172.44	
Labor,	6,231.96	
Air Taps,	63.45	\$22,946.42
Credit by value of pipe and specials removed,		535.83
		<hr/>
		\$22,410.59

There have been twelve leaks upon the mains the past year as herewith shown:—

DATE.	SIZE.	LOCATION.	CAUSE.	COST.
1895.				
Jan. 8.	6 in.	Fifth st. at Wing.	Joint started.	\$3.78
Jan. 9.	16 "	Cedar st. south of Robeson.	Pipe broken.	49.95
Jan. 14.	8 "	Merrimac st. west of State.	Joint started.	3.47
April 8.	2 "	On Bridge.	Lead pipe split.	3.61
April 30.	8 "	Acushnet ave. south of Cogges- hall st.	Joint started.	14.99
June 2.	4 "	Middle Point road near Wm. D. Howland's.	Joint started.	3.47
June 10.	10 "	Cedar Grove st. east of State st.	Joint started.	6.00
June 8.	2 "	On Bridge.	Lead pipe split.	3.04
Aug. 16.	8 "	Kilburn st. at end of pipe.	Plug blew out.	3.78
Aug. 20.	2 "	In river, south of Bridge draw.	Kinks in pipe made by ves- sel's anchor.	40.21
Aug. 30.	12 "	Water st. south of Grinnell.	Joint started.	3.00
Oct. 2.	8 "	Hillman st. west of Water.	Joint started.	2.89

There still remains  $2\frac{4.9}{100}$  miles of wrought-iron cement lined pipe in our streets, all of which should be removed and replaced with cast iron pipe previous to the introduction of the new pressure, and I would suggest that the changing of a considerable portion of these remaining lines be included in the work of the coming year.

There are two sections of Cottage street, viz., from Maxfield to Kempton, and from Union to Bedford, which are supplied by this kind of pipe. Previous to its removal I would ask you to consider that thoroughfare in connection with the future placing of a large main for improving the supply in the vicinity of the Howland Mill village and the south-easterly portion of the city. Should you favorably regard such a scheme, then whenever the wrought-iron cement lined pipe in Cottage street is removed, it should be replaced with sections of the proposed leading main.

Two hundred sixty-eight service pipes have been laid the past year, and eight of those previously laid have been removed. The total number now in use is 8027.

One hundred service taps have been cleared as follows, viz. : rust, 134 ; eels, 28 ; trouble inside 13.

Fifty-seven new hydrants have been set, and forty of those previously set have been removed. The total number now in use is 624.

Seventy-three stop gates have been set, and forty-four of those previously set have been removed, The total number now in use is 864.

Four new waste gates have been set. The total number now in use is 80.

Eight private stop-gates have been set. The total number now in use is 180.

One small sized stop gate (less than four inch) has been set. The total number now in use is 66.

The total number of motors is 79.

The total number of meters is 254.

The following tables present interesting statistics in regard to the consumption of water :—

MONTHLY CONSUMPTION AND RECORD OF PRESSURE AT  
THE CITY HALL.

1895. MONTH.	Monthly Consumption. Gallons.	Daily Average. Gallons.	Pounds Pressure. 10 A. M.			Pounds Pressure. Midnight.		
			Max.	Min.	Av.	Max.	Min.	Av.
January.	145,915,720	4,706,959	35	30	33	37	33	36
February.	150,219,636	5,364,987	35	27	33	37	33	35
March.	139,750,617	4,508,085	36	31	33	38	36	37
April.	127,753,065	4,258,427	37	30	34	38	34	37
May.	130,222,081	4,200,712	36	31	33	38	35	37
June.	138,561,401	4,618,713	35	30	32	38	35	36
July.	150,877,023	4,867,001	36	30	32	37	34	35
August.	154,460,678	4,982,602	35	28	32	38	34	35
September.	155,644,746	5,188,158	36	30	33	38	34	36
October.	144,318,611	4,655,439	35	30	33	38	35	37
November.	134,100,057	4,470,002	35	31	33	38	35	37
December.	148,007,344	4,774,430	36	32	34	38	35	36
Averages.	143,319,248	4,711,866	37	27	33	38	33	36



COMPARISON OF THE CONSUMPTION OF THE YEAR 1895  
WITH THE RECORD OF THE 14 PREVIOUS YEARS.

Year.	Estimated Population.	Estimated Number of Consumers.	Total Number of Gallons Consumed.	Average Daily Consumption.	Number of Taps.	Gallons per Day to Each Inhabitant.	Gallons per Day to Each Consumer.	Gallons per Day to Each Tap.
1881	27,000	19,044	844,249,647	2,313,012	3,985	86	122	589
1882	28,500	20,424	859,119,622	2,326,352	4,203	82	114	553
1883	30,000	22,249	849,059,700	2,326,191	4,465	78	105	521
1884	33,000	23,749	867,815,595	2,371,080	4,691	72	100	506
1885	33,700	25,375	1,049,801,050	2,876,167	4,965	85	113	579
1886	34,500	28,480	1,086,534,615	2,976,807	5,225	86	104	569
1887	36,000	30,080	1,112,302,789	3,047,404	5,495	85	101	555
1888	37,500	31,826	1,229,841,794	3,360,223	5,785	89	109	581
1889	40,000	34,000	1,310,488,214	3,590,379	6,104	90	106	588
1890	41,500	35,740	1,485,143,213	4,066,200	6,394	98	114	636
1891	45,000	38,500	1,513,161,482	4,145,648	6,742	92	108	615
1892	50,000	41,776	1,607,955,166	4,393,320	7,134	88	105	616
1893	55,000	44,158	1,824,275,536	4,998,015	7,531	99	113	664
1894	56,000	44,661	1,747,167,532	4,786,760	7,767	85	107	616
1895	56,300	46,154	1,719,830,979	4,711,866	8,027	84	102	587

During the past year the daily consumption has exceeded 6,500,000 gallons on 7 days, while an amount in excess of 7,000,000 gallons was reached on 5 days.

The maximum daily consumption was on Wednesday, February 6th, 8,498,596 gallons, while the minimum was on Sunday, May 26th, 2,870,521 gallons.

In my report of last year, the results obtained from several experimental meters placed in various locations throughout the city, was presented. The following table shows the record made by the same meters for the year ending December 1st, 1895. The first column describes the character of the supply. The second column states the yearly amount paid, which is at schedule rates, and the third column shows the amount which would result provided 15 cents per thousand gallons were to be charged.

	By Schedule Rate.	Metered at 15 cts. per 1000 gals.
1 Tenement house containing 6 families, 7 faucets 3 w. c.	12 months, \$30.00	12 months, \$55.67
2 Tenement house containing 3 families, 3 faucets 3 w. c.	12 months, \$15.00	12 months, \$25.41
3 Tenement house containing 5 families, 5 faucets 2 w. c. Drug store, 2 faucets and tumbler wash Store, 1 faucet 1 w. c. 1 hose 1 horse	12 months, \$30.00	12 months, \$54.01
4 Tenement house containing 7 families, 7 faucets 6 w. c. Market, 1 faucet 1 w. c. 1 horse	12 months, \$42.00	12 months, \$82.96

			By Schedule Rate.	Metered at 15 cts. per 1,000 gals.
5	Tenement house containing 8 families,	8 faucets 4 w. c.	12 months, \$39.00	12 mos., \$114.57
	Rear, 1 family,	1 faucet 1 w. c.		
6	Tenement house containing 7 families,	7 faucets 3 w. c.	12 months, \$36.00	12 months, \$41.18
	Store,	1 faucet 2 horses 1 cow		
7	Tenement house containing 6 families,	6 faucets 3 w. c.	12 months, \$49.50	12 mos., \$107.37
	Barber shop,	1 faucet 1 w. c.		
		1 hose		
	Store,	1 faucet 1 w. c.		
	Drug store,	2 faucets 1 w. c. 1 hose		
	1 tumbler wash		12 months, \$49.50	12 mos., \$107.37
8	Tenement house containing 16 families,	16 faucets 6 w. c.	12 months, \$97.25	12 months, \$91.04
	Rear, 2 families,	2 faucets 1 w. c.		
	Bakery,	2 faucets 1 w. c.		
		1 hose		
	Two stores,	2 faucets 2 w. c. 1 hose		
9	Tenement house containing 4 families,	4 faucets 4 w. c.	12 months, \$31.50	12 months, \$42.32
	Bakery,	1 faucet 1 w. c.		
	Market,	1 faucet		
10	Tenement house containing 5 families,	5 faucets 3 w. c.	12 months, \$27.00	12 months, \$48.59
	Store,	1 faucet 1 w. c.		

	By Schedule Rate.	Metered at 15 cts. per 1,000 gals.
11 Tenement house containing 6 families, 6 faucets 3 w. c. Saloon, 4 faucets 2 w. c. 1 motor 1 bottle washer	12 months, \$47.75	12 mos., \$102.99
12 School house containing 16 faucets 3 w. c. 1 boiler 1 hose 1 urinal	12 months, \$75.25	12 mos., \$203.10
13 School house containing 16 faucets 3 w. c. 1 hose	12 months, \$56.25	12 mos., \$101.43
14 Liquor saloon containing 1 motor	12 months, \$5.00	12 months, \$48.81
15 Liquor saloon containing 1 motor	4 months, \$1.67	4 months, \$3.12
16 Building containing 13 faucets 7 shower baths 5 w. c. 2 bath tubs 1 boiler 1 hose	12 months, \$43.75	12 months, \$32.93
17 A watering cart hydrant	Public use	7 months, \$245.15
18 Oak Grove cemetery	Public use	12 months, \$22.61
19 Rural cemetery	Public use	12 mos., \$283.13
20 Fountain (lawn)	No charge	12 months, \$40.83
21 Building containing 9 faucets 5 w. c. 2 urinals 1 hose Rear, 2 families, 2 faucets 1 w. c.	12 months, \$49.50	12 mos., \$163.97

While the total consumption of the past year is somewhat less than it was during the two previous years, yet it is far in excess of what it really should be. The table just presented tells its own story, and indicates a condition to be expected, were meters to be generally applied in all such cases, and meter rates exacted. The metering of such supplies would not always secure an increase of revenue; indeed, in some cases it would result in a decrease, but it would be pretty sure to secure either an increase in the revenue, or a reduction in the daily consumption, and either of these conditions would be an advance step in the right direction.

Perhaps the City itself could not do better than to set a good example in the matter, for considerable waste must occur in many of the city supplies. Observe the amount used by School House No. 12, of the table just presented, and this is probably only a fair example of what is going on in many a public building. A yearly blanket appropriation such as is now made for public use, does not seem to offer the inducement for the economical use of water that would be the case provided each department were called upon to pay from its own fund for the actual measured amount of water used.

The usual statistical tables are herewith submitted. Mr. Thomas R. Rodman kindly contributes a copy of his rainfall observations for the past year.

Respectfully submitted,

R. C. P. COGGESHALL,

Superintendent.



TABLE A.

SHOWING RAINFALL AT STORING RESERVOIR FOR 1895.

DAY.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1							.55					
2		.40										.43
3			.52	.47							.96	
4		.18	.11			.46	.73					
5												.60
6						.18						
7	.64	.11						.62				
8			.92							.44		
9	.20		.03	1.50			.28					
10									.51			
11	.74							.98	.15			
12												.26
13					1.17		.52	.11		3.64		
14	.06		1.41	1.49								
15					1.30						.77	
16	.57		.45	.21			.15					
17					.54							
18	.20						.72	.11			.77	
19											.83	
20					.64							
21												
22	.25			.27								.76
23												
24												
25			.04			.46						
26	.72				.44							.22
27				.12	.31				.54		.74	
28			.19			1.46						
29	.20								.09			
30				.16			1.00					
31					.24			.49		1.96		.61
TOTALS.	3.58	.69	3.67	4.22	4.64	2.56	3.23	2.92	1.40	6.04	4.07	2.88

Total fall for the year, 39.90.

TABLE A.

SHOWING RAINFALL AT PUMPING STATION FOR 1895.

DAY.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1				.01		.18	.55		.25		1.24	
2		.30	.54	.10								
3			.08	.36		.12					.85	.50
4		.17				.39	.75					
5			.07									.08
6						.18	.60					.36
7	.93			.01				.62		.02		
8		.32	1.17							.29		
9	.22		.09	1.62	.01		.10					.03
10				.05					.23		.07	
11	.72								.03			
12					.77			1.06	.18			.05
13	.10				.29		.40			3.18		.03
14			1.62	1.48			.74			.20		
15					.96						.70	
16			.52	.15			.24			.02		
17	.61											
18					.52			.77	.08		.80	
19	.18											
20											.35	
21		.04						.04		.03	.47	
22	.31				.65		.06					.71
23				.25								
24			.01								.09	.03
25			.10			1.07					.01	
26	.54		.01		.49				.79			
27				.01	.29						.41	.30
28			.25	.29		1.60	.02	.02				
29	.24											
30				.24			1.38		.70			
31			.03		.02					.30		.54
TOTAL.	3.85	.83	4.49	4.57	4.23	3.54	4.84	2.51	2.26	4.04	4.99	2.63

Total fall for the year, 42.78.

TABLE A.

SUMMARY OF MONTHLY METEOROLOGICAL OBSERVATIONS AT THE PUMPING STATION FOR THE YEAR 1895.

[illegible]



TABLE A.

SHOWING RAINFALL AT NEW BEDFORD, AS REGISTERED  
BY T. R. RODMAN, FOR 1895.

DAY.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1							.59				.72	
2		.50	.54	.11								.60
3			.12	.38		.21					.86	
4		.22				.45	.85					
5			.06		.08							.10
6						.20	.71					.54
7	.92							.91				
8		.37	1.20	.40						.24		
9	.25		.10	1.00			.07					.03
10				.05			.02		.37		.06	
11	.74		.02					1.32	.23			
12					.68							.02
13	.07				.28		.09			3.14		.02
14			1.72	1.56			.78			.17		
15					.88						.76	
16			.64	.13			.28			.01		
17	.66											
18					.56			.52	.04		.82	
19	.19							.07	.03			
20												
21		.05								.01	.76	
22	.32		.02		.66		.01					.70
23				.22								
24												.02
25			.10			.17					.14	
26	.66					.47					.03	
27		.03							.78		.37	.27
28	.23		.16	.13		1.51						
29							.01					
30			.04	.24			1.50		.05			
31					.25			.20		.72		.54
TOTAL.	4.04	1.17	4.72	4.22	3.39	3.01	4.91	3.02	1.50	4.29	4.52	2.84

Total fall for the year, 41.63.



TABLE B.

STATEMENT OF WORK DONE BY ENGINE NO. 1 [McALPINE] FOR YEAR ENDING DECEMBER 1, 1895.

Diameter of steam cylinder, 38 in.

Length of stroke, 8 feet.

Average working steam pressure, 30 lbs.

MONTHS	Number of days or parts of days pumping		Total pumping time per month		Total number of strokes		Average number of strokes per minute		FUEL											
	M.	H.	STROKES		Total number of strokes		Average number of strokes per minute		Lbs. of Wood		Raising steam and bankings		Ashes and clinkers		Pumping		Total		Total Fuel	
									LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.
December, 1894	31	541	00	464,829	14.3				0	14,500	25,344	171,356	211,200	211,200	211,200	136,136,297	136,136,297	211,200	211,200	211,200
January, 1895	20	350	30	301,285	14.3				200	7,600	16,236	111,464	135,300	135,300	135,367	88,276,505	88,276,505	135,367	135,367	135,367
February, "																				
March, "																				
April, "																				
May, "	23	372	30	317,435	14.2				0	6,400	17,256	119,144	142,800	142,800	142,800	93,008,455	93,008,455	142,800	142,800	142,800
June, "	30	586	00	481,811	13.7				0	4,800	25,286	180,714	210,800	210,800	210,800	141,170,623	141,170,623	210,800	210,800	210,800
July, "	30	605	30	494,615	13.6				0	4,000	25,588	182,812	212,400	212,400	212,400	144,922,195	144,922,195	212,400	212,400	212,400
August, "																				
September, "																				
October, "	24	419	30	358,395	14.2				0	6,200	13,978	144,272	164,450	164,450	164,450	105,010,235	105,010,235	164,450	164,450	164,450
November, "																				
Totals and Av.	158	2875	00	2,418,170	14.0				200	43,500	123,688	909,762	1,076,950	1,076,950	1,077,017	708,524,310	708,524,310	1,077,017	1,077,017	1,077,017
														</						

TABLE B.

## STATEMENT OF WORK DONE BY ENGINE No. 2 [WORTHINGTON] FOR THE YEAR ENDING DECEMBER 1, 1895.

Diameter of H. P. steam cylinder, 22 in.

Diameter of L. P. steam cylinder, 36 in.

Length of stroke, 36½ in.

Average working steam pressure, 30 lbs.

MONTHS.	Number of days or parts of days pumping	Total pumping time per month		STROKES	Average number of strokes per minute	FUEL						Total number of gallons pumped per month, allowance being made for slip	No. of gallons pumped per pound of coal for total coal	No. of gallons raised 100 feet per pound of coal for total coal	Av. duty in pounds raised one foot high per 100 pounds of coal, calculated on total fuel used for all purposes, no deductions	Av. duty in pounds raised one foot high per 100 pounds of coal, calculated on amount of combustible coal used while pumping	
		H.	M.			Lbs. of Wood 3 = Coal	Raising steam and banking	Asbes and clinkers	Pumping		Total						Total Fuel
December, 1894	5	87	00	84,627	16.2	100	0	2,928	21,472	24,400	24,433	12,524,796	513	657	128.03	54,735,824	62,283,923
January, 1895																	
February, "																	
March, "	9	198	30	232,465	19.5	200	800	7,740	55,960	64,500	64,567	34,404,820	533	670	125.74	55,878,944	64,473,477
April, "																	
May, "	2	32	30	35,562	18.2	0	400	1,200	8,400	10,000	10,000	5,263,176	526	661	125.59	55,127,590	65,628,083
June, "																	
July, "	2	36		32,099	14.9	0	0	1,164	8,336	9,700	9,700	4,750,652	490	626	127.77	52,188,694	59,305,334
August, "																	
September, "	2																
October, "																	
November, "	9	166		194,550	19.5	200	800	4,777	50,623	56,200	56,267	28,793,400	512	645	125.93	53,744,552	59,736,576
Totals and Av.	27	520		597,303	19.1	500	2,000	17,809	144,991	164,800	164,967	85,736,844	520	657	126.36	54,770,422	62,316,365

TABLE B.

STATEMENT OF WORK DONE BY ENGINE NO. 3 [WORTHINGTON HIGH DUTY] FOR THE YEAR ENDING  
DECEMBER 1, 1895.

Diameter of H. P. steam cylinder, 18 in.  
Diameter of L. P. steam cylinder, 36 in.

Length of stroke, 26 in.

Average working steam pressure, 110 lbs.

MONTHS	Number of days or parts of days pumping	H.	M.	Total pumping time per month	Total number of strokes per month	STROKES	Average number of strokes per minute	FUEL											
								COAL						Total Fuel					
								Lbs. of Wood	Wood = Coal	Raising steam and banking	Ashes and clinkers	Pumping		Total					
												LBS	LBS	LBS	LBS	LBS	LBS		
December, 1894	13	279	30		291,544	17.4		200	1,200	12,312	66,688	80,200	80,267	56,559,536	728	932	127.31	74,816.498	90,050,621
January, 1895	28	639	30		714,821	18.1		0	400	23,058	154,292	177,750	177,750	138,670,274	780	985	127.58	83,008,471	95,628,780
February, "	31	691	00		720,364	17.4		0	1,900	20,650	149,650	172,200	172,200	139,750,616	812	1,036	127.55	86,331,065	99,339,855
March, "	30	668	00		660,574	16.5		0	1,300	18,702	136,098	156,100	156,100	128,151,356	821	1,046	127.44	87,255,363	100,079,073
April, "																			
May, "																			
June, "																			
July, "	31	724	00		794,678	18.3		110	1,600	21,990	159,660	183,250	183,287	154,167,532	841	1,080	128.39	90,065,509	103,393,692
August, "	30	703			784,943	18.6		0	800	21,624	157,776	180,200	180,200	152,278,942	845	1,079	127.74	90,028,088	102,823,379
September, "	31	703			740,824	17.6		100	2,000	15,432	164,118	181,550	181,583	143,719,856	792	1,010	127.55	84,195,349	93,155,193
October, "																			
November, "																			
Totals and Av.	194	4,428	00		4,707,748	17.7		410	9,200	133,768	988,282	1,131,250	1,131,387	913,298,112	807	1,031	127.7	85,972,256	98,421,192

TABLE C.  
LOCATION AND SIZE OF PIPE LAID IN 1895.

LOCATION.	CAST IRON.				
	12 inch.	10 inch.	8 inch.	6 inch.	4 inch.
Allen street, Rural street west,		459			
Allen street, County to Bonney,			579		
Anthony street, Bedford to Grove,			405		
Bedford street, Acushnet avenue to Anthony,			2020		
Beetle street, Acushnet avenue west,				173	
Belleville avenue from 142 feet north of Phil- lips avenue to Plummer avenue,		94			
Belleville road, Acushnet avenue east,				288	
Bolton road, from 246 feet north of Rivet street north,		230			
Bonney street, from 260 feet north of Rivet to Thompson street,				143	
Bonney street, from 4½ feet north of Grinnell to Allen street,			577		
Bourne street, from Thompson north,				133	
Bowditch street, from 407 feet south of Sawyer street south,				60	
Bowditch street, Coffin Avenue north,				390	
Butler street, Old Point road east,				1679	
Campbell street, from 217 feet west of County to Summer street,					213
Clark street, Myrtle to Reynolds street,				294	
Cleveland avenue, from 297 feet south of Cove street south,				385	
Clinton street, from 241 feet east of Ash street east,				132	
Cottage street, Willow street south,				19	
Cottage street, Robeson street north,				122	
County street, from 202 feet north of Cogges- hall street north,				461	
County street, Grinnell to south line Union street,	3288				
Court street, from County to 65 feet west of Emerson street,			1697		
Cove road, Shore street east,				121	
East French avenue, from near west line Abbot street south,	160				
Edwards street, Field street east,				116	
Eighth street, Spring to Union street,			256		
Elm street, Pleasant to Sixth street,				254	
Elm street, Sixth to 23½ feet west of east line County,			709		
Elm street, Park street east,				120	
Foster street, Middle to Maxfield,			1392		

LOCATION AND SIZE OF PIPE.—*Continued.*

LOCATION.	CAST IRON.				
	12 inch.	10 inch.	8 inch.	6 inch.	4 inch.
Florence street, from 181 feet north of North to Hillman street,			94		
Grove street, Anthony to 12 feet west of east line Cottage street.			204		
Hawthorn street, Orchard to 10 feet west of east line Cottage,			456		
Hillman street, Florence street east,				93	
Hillman street, Pleasant to 17 feet west of east line County,		958			
Hunter street, from 174 feet north of North street north,				89	
Kempton street, Pleasant to 22 feet west of east line County,		951			
Madison street, from 7 feet east of County street main to Orchard street,			528		
Maxfield street, State to Foster street,			210		
Middle street, from 2 feet west of west line Pleasant to Foster street,				176	
Middle street, from Foster to 18½ feet west of east line County street,			764		
Mill street, Park street east,				137	
Moorlands Terrace, Page street east,				367	
Mosher street, from 874 feet west of County street west,					130
Myrtle street, from 429 feet north of Weld to Clark street,				50	
North street, from 2 feet east of Newton street west,				298	
North street, Pleasant to 22 feet west of east line County street,			947		
Nye Street, from 178 feet west of Belleville avenue to 428 feet east of Acushnet avenue,				271	
Old Point road, from 3008 feet southeast of West French avenue south,					337
Orchard street, Madison to Hawthorn street,			330		
Page street, from 155 feet south of Allen street south,			72		
Plummer avenue, Belleville avenue east,				228	
Purchase street, from Y branch south of Purchase avenue to Purchase avenue,	63				
Reed street, from 26 feet north of Elm to 295 feet south of Kempton,				208	
Reynolds street, from 17 feet south of Clark to Clark street,				34	
Rural street, from 327 feet north of Grape to Allen street,				19	



LOCATION AND SIZE OF PIPE.—*Continued.*

LOCATION.	CAST IRON.				
	12 inch.	10 inch.	8 inch.	6 inch.	4 inch.
School street, from 6 feet west of Sixth to Seventh street,				228	
Second street, from 1 foot north of south line Spring street north,			19		
Seventh street, Walnut to Spring street,			645		
Sixth street, from 3 feet north of William street main to Middle street,			558		
Spring street, Seventh to Eighth street,			256		
Spring street, Second street west,				7	
Spring street, Second street east,				6	
State street, Maxfield to Willis street,			1029		
Thompson street, from 11 feet west of Hall street west,				61	
Union street, Sixth to east line County street,	713				
Viall street, from 188 feet south of Cove street south,				181	
Walnut street, Acushnet avenue to County street,			1261		
William street, from 13½ feet east of west line Sixth to 19½ feet west of east line County street,			723		
Willis street, from State to 15 feet west of east line County street,			321		
Willow street, from 306 feet east of Cedar to Cottage street,				89	
Totals,	3511	3405	16052	7432	680

## MAIN PIPE REMOVED IN 1895.

STREETS.	CAST IRON.			CEMENT LINED.		
	8 inch.	6 inch.	4 inch.	8 inch.	6 inch.	4 inch.
Anthony street, Grove to Bedford street, Allen street, County to Bonney street, Bedford street, Acushnet avenue to 2 feet east of Sixth street,					579	405
Bedford street, from 2 feet east of Sixth to 46 feet west of Sixth street,		88			707	
Bedford street, from 46 feet west of Sixth to near west line County,					334	
Bedford street, from 12 feet east of west line County to Anthony street,						890
Bonney street, from 4½ feet north of Grinnell to Allen street,						576
County street Grinnell street north, County street, from 7½ feet north of Grinnell to Wing street,		39			566	
County street, Wing to Allen street,	47					
County street, Allen to south line, Union Court street, County to Cottage,				2638		
Court street, Cottage to Cedar,				768		
Court street, Cedar to 89 feet west of Emerson street,					357	
Eighth street, Spring to Union,						587
Elm street, Pleasant to 2 feet west of Pleasant street,						256
Elm street, 2 feet west of Pleasant to 23½ feet west of east line County street,		16				
Foster street, Middle to Maxfield street, Grove street, Anthony to 12 feet west of east line Cottage street,						948
Hawthorn street, Orchard to 10 feet west of east line Cottage street,						1393
Hillman street, Pleasant to 17 feet west of east line County,						205
Kempton street, Pleasant to Foster street, Kempton street, Foster to 22 feet west of east line County street,						456
Madison street, County to Orchard street, Maxfield street, State to Foster street,				961		
Middle street, from 2 feet west of west line Pleasant to 18 feet west of east line County street,		208				
North street, from Pleasant to 22 feet west of east line County,					524	739
Orchard street, Hawthorn to Madison street,					209	
					923	
						949
						327

MAIN PIPE REMOVED IN 1895.—*Continued.*

STREETS.	CAST IRON.			CEMENT LINED.		
	8 inch.	6 inch.	4 inch.	8 inch.	6 inch.	4 inch.
School street, from 8 feet west of Sixth to Seventh street,						228
Second street, from 1 foot north of south line Spring street north,			19			645
Seventh street, Walnut to Spring street,		30				533
Sixth street, from 3 feet north of William street north,						255
Sixth street, from 2 feet north of William to Middle street,						1026
Spring street, Seventh to Eighth street,			7			
Spring street, Second street west,						
State street, Maxfield to Willis street,	19					
Union street, Sixth street west,						
Union street, from 5 feet west of Sixth to east line County street,				693		
Walnut street, Acushnet avenue to 12 feet east of east line Sixth street,					710	
Walnut street, from 12 feet east of Sixth to 7 feet west of Sixth,		59				
Walnut street, from 7 feet west of Sixth to County street,					494	
William street, from 13 feet east of west line Sixth to 6 feet west of west line Sixth street,		19				
William street, from 6 feet west of Sixth to 19 feet west of east line County street,						700
Willis street, State to 15 feet west of east line County street,					321	
Totals,	66	235	250	5060	5515	11327

## SUMMARY.

## PIPE LAID AND REMOVED.

	30 inch	24 inch	20 inch	16 inch	12 inch	10 inch	8 inch	6 inch	4 inch
Previous to 1895 :— Cement, Cast iron, Cast iron laid during 1895,	1,879	2,373	11,267	19,511	6,179 14,306 3,511	2,059 27,134 3,405	5,911 76,637 16,052	6,369 120,939 7,432	14,490 85,111 680
Total pipe laid, Cement removed in 1895, Cast iron removed in 1895,	1,879	2,373	11,267	19,511	23,996	32,598	98,600 5,060 66	134,740 5,515 235	100,281 11,327 250
Total pipe now in use,	1,879	2,373	11,267	19,511	23,996	32,598	43,474	128,990	88,704

Total length laid in 1895, 31,080 feet, or 5.8864 miles.  
 Total length removed in 1895, 22,453 feet, or 4.2524 miles.  
 Total length of pipe in use Dec. 1, 1895, 402,792 feet, or 76.2864 miles.

TABLE D.

LOCATION OF STOP GATES SET IN 1895.

STREETS.	LOCATION.	SIZE.					
		16 inch.	12 inch.	10 inch.	8 inch.	6 inch.	4 inch.
Acushnet ave.,	North side Middle.				1		
Acushnet ave.,	South side Middle.				1		
Allen,	West side County.				1		
Bedford,	West side Acushnet ave.				1		
Bedford,	West side Fourth.				1		
Bedford,	East side Sixth.				1		
Bedford,	West side Sixth.				1		
Bedford,	East side County.				1		
Bedford,	West side County.				1		
Bedford,	East side Cottage.						1
Beetle,	West side Acushnet ave.					1	
Belleville road,	East side Acushnet ave.					1	
Bowditch,	North side Coffin ave.					1	
Butler,	East side Old Point road.					1	
Cedar,	South side Robeson.	1					
Clark,	West side Reynolds.					1	
County,	North side Grinnell.		1				
County,	South side Bedford.		1				
County,	South side Madison.		1				
County,	South side Union.		1				
County,	South side Sawyer.					1	
Court,	West side County.				1		
Court,	East side Cottage.				1		
Court,	West side Cottage.				1		
Court,	East side Ash.				1		
Court,	West side Ash.				1		
Court,	69 feet west of Emerson.						1
Eighth,	South side Union.				1		
Elm,	East side Purchase.						1
Elm,	West side Pleasant.					1	
Elm,	East side County.				1		
Fifth,	South side Russell.						1
First,	North side Walnut.						1
Foster,	South side Kempton.				1		
Foster,	North side Kempton.				1		
Foster,	South side Hillman.				1		
Foster,	North side Hillman.				1		
Fourth,	North side Walnut.				1		
Grove,	East side Cottage.				1		
Hawthorn,	East side Cottage.				1		
Hillman,	West side Pleasant.			1			
Hillman,	East side County.			1			
Kempton,	West side Pleasant.			1			
Kempton,	East side County.			1			
Madison,	West side County.				1		
Middle,	East side County.				1		



LOCATION OF STOP GATES.—*Continued.*

STREETS.	LOCATION.	SIZE.					
		16 inch.	12 inch.	10 inch.	8 inch.	6 inch.	4 inch.
Mill,	East side Park,					1	
Myrtle,	South side Clark.					1	
North,	West side Pleasant.				1		
North,	East side County.				1		
Plummer ave.,	East side Belleville ave.					1	
Purchase,	South side Pearl,	1					
Purchase,	At hydrant northeast corner Purchase ave.					1	
Reynolds,	South side Clark.					1	
Rural,	South side Allen.					1	
Second,	North side Walnut.						1
Seventh,	North side School.				1		
Sixth,	North side William.				1		
Sixth,	South side Middle.				1		
State,	North side Hillman.					1	
State,	South side Campbell.				1		
Thomas,	North side Hillman.						1
Union,	West side Sixth.			1			
Union,	East side County.			1			
Walden,	North side Hillman.						1
Walnut,	West side Fourth.				1		
Walnut,	East side Sixth.				1		
Walnut,	West side Sixth.				1		
Walnut,	East side County.				1		
William,	East side County.				1		
Willis,	West side State.				1		
Willis,	East side County.				1		
Willow,	West side Cottage.					1	
	Totals,	2	4	6	38	15	8

## STOP GATES REMOVED IN 1895.

STREETS.	LOCATION.	SIZE.		
		8 inch.	6 inch.	4 inch.
Allen,	West side County.		1	
Bedford,	West side Acushnet ave.		1	
Bedford,	West side Fourth.		1	
Bedford,	East side Sixth.		1	
Bedford,	West side Sixth.		1	
Bedford,	East side County.		1	
Bedford,	West side County.		1	
County,	North side Grinnell.		1	
County,	South side Bedford.	1		
County,	North side Madison.	1		
County,	South side Union.	1		
Court,	West side County.	1		
Court,	East side Ash.			1
Court,	West side Ash.			1
Court,	West side Emerson.			1
Eighth,	South side Union.			1
Elm,	West side Pleasant.			1
Elm,	East side County.			1
Foster,	South side Kempton.			1
Foster,	South side North.			1
Foster,	South side Hillman.			1
Hill,	South side North.			1
Hillman,	West side Pleasant.	1		
Hillman,	East side Hill.	1		
Hillman,	East side County.	1		
Kempton,	West side Pleasant.			1
Kempton,	East side County.			1
Madison,	West side County.		1	
Middle,	East side County.		1	
North,	West side Pleasant.			1
North,	East side County.			1
Seventh,	North side School.			1
Sixth,	North side William.		1	
Sixth,	South side Middle.			1
State,	South side Campbell.			1
Union,	West side Sixth.	1		
Union,	East side County.	1		
Walnut,	West side Second.		1	
Walnut,	West side Fourth.		1	
Walnut,	East side Sixth.		1	
Walnut,	West side Sixth.		1	
Walnut,	East side County.		1	
William,	East side County.			1
Willis,	East side County.		1	
Totals,		9	17	18

Number of stop gates set in 1895,	73
Number removed,	44
	<hr/>
	29
Number in use at date of last report,	835
	<hr/>
	864

## TABLE E.

## SMALL-SIZED STOP GATES SET IN 1895.

Spring street, at watering cart, east of Seventh street,	2 inch.
Number set in 1895,	1
Number in use at date of last report,	65
	—
Number in use Dec. 1, 1895,	66

TABLE F.

## PRIVATE STOP GATES SET IN 1895.

STREETS.	LOCATION.	SIZE.			
		6 inch	4 inch	3 inch	2 inch
Bowditch,	At school house,				1
Clark,	At school house,				1
Court,	At House of Correction,		1		
Court,	At N. B. Cordage Co.,			1	
Durfee,	At Union St. Railway Co. car barn,			1	
Maxfield.	At Public Works stone crusher				1
Purchase Ave.	At Mt. Pleasant Mill Corp.	1			
Purchase,	At Union St. Railway Co. car barn,		1		
Weld,	At Union St. Railway Co. paint shop.				1
	Totals,	1	2	2	4

## REMOVED.

Court street, at House of Correction,	3 inch.
Number set in 1895,	9
Number removed in 1895,	1
	8
Number in use at date of last report,	172
Total number in use Dec. 1, 1895,	180



TABLE G.  
WASTE GATES SET IN 1895.

STREETS.	LOCATION.	SIZE.
		4 inch
Bedford,	East side County,	1
Elm,	East side County,	1
Madison,	East side County,	1
Robeson,	East side Cedar,	1
	Total,	4

Number set in 1895,	4
Number in use at date of last report,	76
Number in use Dec. 1, 1895,	80

## TABLE H.

## LOCATION OF HYDRANTS SET IN 1895.

Allen street, south side, 445 feet west of Rural street.	
Bedford street, southwest corner Fourth.	
Bedford street, southwest corner County.	
Bedford street, southwest corner Orchard.	
Belleville avenue, southwest corner Plummer avenue.	
Belleville road, south side, 233 feet east of Acushnet avenue.	
Bolton road, west side, 370 feet north of Rivet.	
Bonney street, southwest corner Allen.	
Bonney street, southwest corner Thompson.	
Bowditch street, northwest corner Coggeshall.	
Bowditch street, west side, 358 feet north of Coffin avenue.	
Butler street, south side, 287 feet east of Middle Point road.	Flush.
Butler street, south side, 1,635 feet east of Middle Point road.	Flush.
Cleveland avenue, west side, 681 feet south of Cove.	
County street, northwest corner Allen.	
County street, southwest corner Hawthorn.	
County street, southwest corner Madison.	
County street, head of School street.	
County street, southwest corner Sawyer.	
Court street, southwest corner Orchard.	
Court street, southeast corner Cedar.	
Court street, southwest corner Emerson.	
Cove street, southeast corner Stapleton.	
Edwards street, south side, 90 feet east of Field.	
Elm street, southwest corner Pleasant.	
Elm street, southwest corner Eighth.	
Florence street, southwest corner Hillman.	
Foster street, southwest corner High.	
Grove street, southwest corner Anthony.	
Hillman street, southwest corner Pleasant.	
Hillman street, head of State.	
Hillman street, head of Thomas.	
Hunter street, southwest corner Hillman.	
Kempton street, head of Hill.	
Maxfield street, southwest corner Foster.	
Middle street, southwest corner Pleasant.	
Middle street, southwest corner Sixth.	
Mill street, south side, 104 feet east of Park.	
Mooreland Terrace, south side, 335 feet east of Page.	
Mosher street, southeast corner Crapo.	
Myrtle street, southwest corner Clark.	

North street, southwest corner Foster.  
 North street, southwest corner Hill.  
 North street, south side, 258 feet west of Newton.  
 Orchard street, southwest corner Madison.  
 Plummer avenue, south side, 177 feet east of Belleville avenue.  
 Pope street, opposite North Oak.  
 Purchase avenue, northeast corner Purchase street.  
 Reed street, southwest corner Elm.  
 Reed street, southwest corner Middle.  
 Spring street, southwest corner Seventh.  
 State street, southwest corner Sycamore.  
 Viall street, west side, 369 feet south of Cove.  
 Walnut street, southwest corner Fourth.  
 William street, southwest corner Eighth.  
 Willis street, southwest corner State.  
 Willow street, southwest corner Cottage.

## REMOVED.

Allen street, southeast corner Bonney.	Flush.
Bedford street, southeast corner County.	"
Bedford street, southeast corner Orchard.	"
Belleville avenue, west side, 141 feet north of Phillips avenue.	Post.
Bolton road, west side, 245 feet north of Rivet.	"
Bonney street, west side, 259 feet north of Rivet.	"
Bowditch street, west side, 406 feet south of Sawyer.	"
County street, northwest corner Allen.	Flush.
County street, southwest corner Hawthorn.	"
County street, northwest corner Madison.	"
County street, west side, head of School.	"
County street, west side, 200 feet north of Coggeshall.	Post.
Court street, southwest corner Orchard.	Flush.
Court street, south side, opposite Cedar.	"
Court street, south side, opposite Emerson.	"
Cove street, south side, west of Water.	Post.
Elm street, southwest corner Pleasant.	Flush.
Florence street, west side, 180 feet north of North.	Post.
Foster street, northwest corner High.	Flush.
Foster street, southwest corner Maxfield.	"
Grove street, southwest corner Anthony.	"
Hillman street, southeast corner Hill.	"
Hunter street, west side, 167 feet north of North.	Post.
Kempton street, south side, opposite Hill.	Flush.
Middle street, southeast corner Sixth.	Double.
Myrtle street, west side, 35 feet south of Clark.	Post.

North street, southwest corner Foster.	Flush.
North street, southeast corner Newton.	Post.
Orchard street, west side, head of Madison.	Flush.
Pope street, south side, opposite North Oak.	"
Reed street, west side, 25 feet north of Elm.	Post.
Reed street, west side, 293 feet south of Kempton.	"
Spring street, southwest corner Seventh.	Flush.
State street, northwest corner Sycamore.	"
Thomas street, northwest corner Hillman.	"
Vial street, west side, south of Cove.	Post.
Walnut street, southeast corner Fourth.	Double.
William street, southwest corner Eighth.	Flush.
Willis street, southwest corner State.	"
Willow street, south side, 300 feet east of Cedar.	Post.
Number set during 1895,	57
Number removed during 1895,	40
Number to be added,	17
Number in use at date of last report,	607
Total number in use Dec. 1, 1895,	624

## TABLE I.

## LOCATION OF WATERING CART HYDRANTS SET IN 1895.

Spring street, north side, 45 feet east of Seventh.

## REMOVED.

Spring street, south side, 49 feet west of Sixth.

Number set during 1895,	1
Number removed during 1895,	1
Number in use at date of last report,	42
Number in use Dec. 1, 1895,	42

TABLE J.

STATEMENT OF WORK DONE BY THE SERVICE DEPARTMENT FOR THE YEAR ENDING DEC. 1, 1895.

KIND AND SIZE.	NUMBER OF SERVICES.	LENGTH ON TAKER.	LENGTH ON CITY.
Lead pipe, $\frac{1}{2}$ -inch, heavy.	69	902.5	1456.0
Lead pipe, $\frac{3}{8}$ -inch, heavy.	61	1183.0	1341.0
Lead pipe, $\frac{3}{8}$ -inch, light.	62	786.0	1289.0
Lead pipe, $\frac{3}{4}$ -inch, heavy.	11	331.0	156.0
Lead pipe, $\frac{3}{4}$ -inch, light.	51	1139.5	1084.0
Lead pipe, 1-inch, heavy.	1	48.5	0.0
Lead pipe, 1-inch, light.	5	316.0	92.0
Iron pipe, 2-inch.	3	244.4	0.0
Cast iron pipe, 6—4—3 inch.	4	653.0	0.0
Lead lined pipe, 2-inch.	1	21.8	0.0
Totals.	268	5625.7	5418.0

One  $\frac{3}{8}$ -inch light lead service has been taken up and replaced with  $\frac{3}{4}$ -inch light lead.

One  $\frac{3}{8}$ -inch light lead service has been taken up and replaced with  $\frac{3}{8}$ -inch heavy lead.

One  $\frac{3}{8}$ -inch wrought iron service has been taken up and replaced with  $\frac{3}{8}$ -inch light lead.

One  $\frac{1}{2}$ -inch tin lined service has been taken up and replaced with  $\frac{3}{8}$ -inch heavy lead.

Seven connections to services previously laid have been made by owners.

One  $\frac{1}{2}$ -inch heavy, one  $\frac{3}{8}$ -inch heavy and six  $\frac{3}{8}$ -inch light lead services have been discontinued.

Length of service pipe laid during the year, 11043.7 feet, or  $2\frac{0216}{10000}$  miles.

Total number of services in use Dec. 1, 1895, 8,027.



## TABLE K.

AIR TAPS IN USE DECEMBER 1, 1895.

LOCATION.	SIZE.
Cedar street, west side, north of Maitland.	1 inch.
County street, west side, head of Spring.	1 "
County street, west side, south of Bedford.	1 "
Durfee street, south side, west of Cottage.	1 "
Elm street, south side, east of County.	1 "
Hillman street, south side, east of County.	1 "
Kempton street, south side, east of County.	1 "
Middle street, south side, east of County.	1 "
North street, south side, east of County.	1 "
Pleasant street, west side, north of Maxfield.	1 "
Pleasant street, west side, south of Hillman.	1 "
Pleasant street, west side, north of Kempton.	1 "
Pleasant street, west side, south of Kempton.	1 "
Sixth street, west side, north of Spring.	1 "
Sixth street, west side, south of Walnut.	1 "
Sixth street, west side, south of Bedford.	1 "
State street, west side, north of Austin.	1 "
State street, west side, north of Franklin.	1 "
Union street, south side, east of County.	1 "
William street, south side, east of County.	1 "
Total number in use, 20.	

TABLE L.

## METERS.

LOCATION.	PATTERN.	SIZE.
Acushnet Coöperative Association, 213 Acushnet avenue.	Union rotary.	1 inch.
Acushnet Mill No. 1.	Union rotary.	4 "
Acushnet Mill No. 2.	Union rotary.	4 "
Addy, Joshua, north side Pope, east of Chestnut street.	Crown.	$\frac{1}{2}$ "
Allen, Arthur S., 9 Cottage street.	Crown.	$\frac{1}{2}$ "
Allen, John S., 102 State street.	Crown.	$\frac{3}{8}$ "
Allen, Luke, 10 Spruce street.	Crown.	$\frac{3}{8}$ "
Allen, Timothy C., 188 Grinnell street.	Crown.	$\frac{5}{8}$ "
Allen, T. F., 185 Pleasant street.	Hersey.	$\frac{5}{8}$ "
Anthony, E. and Sons, Pleasant and Market streets.	Union rotary.	2 "
Anthony, E. and Sons, Pleasant and Market streets.	Hersey.	$1\frac{1}{2}$ "
Bacon, Annie E., 4 Lincoln street.	Crown.	$\frac{3}{4}$ "
Baker, Michael A., 82 Chestnut street.	Crown.	$\frac{3}{4}$ "
Baker, Michael A., 157 Grinnell street.	Crown.	$\frac{3}{4}$ "
Barlow, James, 38 Winsor street.	Hersey.	$\frac{5}{8}$ "
Barrett, John R., 2 Richmond street.	Hersey.	$\frac{5}{8}$ "
Barstow and Winslow, Allen and County streets.	Thompson.	1 "
Bates, J. W., Kempton and Cottage streets.	Crown.	$\frac{3}{4}$ "
Bartlett, Harvey, 183 and 189 Purchase street.	Crown.	$\frac{3}{4}$ "
Beetle, Rodolphus, 670 County street.	Crown.	$\frac{3}{4}$ "
Bennett Mill.	Union rotary.	6 "
Bisbee, Anna R., 8 Wing street.	Crown.	$\frac{1}{2}$ "
Bisbee, Anna R., 186 Fourth street.	Crown.	$\frac{1}{2}$ "
Blackler, Mrs. A. M., 111 Summer street.	Union rotary.	$\frac{3}{4}$ "
Blackmer, A. L., 675 County street.	Hersey.	$\frac{3}{4}$ "
Borden, C. F., 275 County street.	Crown.	$\frac{1}{2}$ "
Borden, C. F., Rear 275 County street.	Crown.	$\frac{1}{2}$ "
Bosworth, William, 435 Cottage street.	Hersey.	$\frac{5}{8}$ "
Bradford, J. B., 162 Acushnet avenue.	Thompson.	1 "
Brightman, George A., 35 Smith street.	Crown.	$\frac{1}{2}$ "
Briggs, Daniel D., 43 Bedford.	Crown.	$\frac{5}{8}$ "
Briggs, Stephen H., 351 County street.	Hersey.	$\frac{5}{8}$ "
Bristol County Court House, 443 County street.	Crown.	$1\frac{1}{2}$ "
Bristol Manufacturing Co., Coggeshall street.	Hersey.	4 "
Brownell, Albion T., 46 Fifth street.	Crown.	$\frac{5}{8}$ "
Brownell, Charles H. Florence street.	Crown.	$\frac{5}{8}$ "
Brunel Oliver A., Rivet and Fourth streets.	Hersey.	$\frac{5}{8}$ "

METERS.—*Continued.*

LOCATION.	PATTERN.	SIZE.
Buffington, Arthur E., 27 Crapo street.	Crown.	1 1/2 "
Butler William P., 797 South Water street.	Hersey.	2 1/2 "
Caldwell, S. C., 365 Pleasant street.	Union rotary.	2 1/2 "
Caldwell, S. C., 367 Pleasant street.	Crown.	2 1/2 "
Central Union Association, 5 North Sixth street.	Thomson.	1 1/2 "
Central wharf.	Crown.	2 "
Cemetery, Rural, Dartmouth street.	Crown.	2 "
Cemetery, Oak Grove, Parker street.	Crown.	3 "
Chadwick, Edward E., William street.	Crown.	3 "
Chappell, William H., 21 Willis street.	Hersey.	2 1/2 "
Childs, A. F., 6 Wing street.	Hersey.	2 1/2 "
Childs, J. G. & Son, Rotch's wharf.	Hersey.	1 1/2 "
Childs, J. G., 176 Fourth street.	Crown.	1 1/2 "
City Manufacturing Co., Grinnell street.	Union rotary.	6 "
Collins, Williston H., 34 North Second street.	Crown.	2 1/2 "
Columbia Spinning Co., Coggeshall street.	Hersey.	6 "
Cook, Robert, 266 Fourth street.	Hersey.	2 1/2 "
Davis, Abner T., estate, 34 Fifth street,	Union rotary.	2 1/2 "
Davis, James, 907 County street.	Crown.	1 1/2 "
Dawson, Benjamin, Purchase and Hazzard streets.	Crown.	1 1/2 "
Dawson, Benjamin, Hazzard street.	Hersey.	1 "
Davenport, Charles M., 226 Arnold street.	Crown.	2 1/2 "
Davis, Mary, 167 County street.	Hersey.	2 1/2 "
Deacon, William, North side Union, west of Ash street.	Crown.	2 1/2 "
Dowden, James, 35 Mill street.	Union rotary.	2 1/2 "
Duff David & Son, 12 Front street.	Crown.	1 "
Duff, David & Son, Fish Island.	Union rotary.	1 1/2 "
Eldridge, Washington A., 56 Mill street.	Crown.	2 1/2 "
Elliot, John D., 106 Fourth street.	Hersey.	2 1/2 "
Ennis, John W., 161 Grinnell street.	Hersey.	2 1/2 "
Finnell, John H., Acushnet avenue and Hathaway avenue.	Crown.	1 1/2 "
Fish, L. C., 59 Sycamore street.	Crown.	2 1/2 "
Folger, David B., 140 Union street.	Thomson.	1 "
Folsom, Simeon, Middle and Purchase sts.	Union rotary.	1 "
Ford, N. E., 67 Willis street.	Hersey.	2 1/2 "
Francis, Joseph F., French avenue and Social street.	Hersey.	2 1/2 "
Francis, Joseph F., 94 County street.	Crown.	2 1/2 "
Garfield and Proctor Coal Co., foot Hillman street.	Hersey.	1 "
Gifford, T. J., Ashland and Austin streets.	Crown.	2 1/2 "
Gifford, T. J., 34 Hillman street.	Crown.	2 1/2 "
Gifford, T. J., 32 Hillman street.	Crown.	2 1/2 "
Goddard, James R., west side Cottage, south of Durfee street.	Hersey.	2 1/2 "

METERS.—*Continued.*

LOCATION.	PATTERN.	SIZE.
Godfrey, Seth W., 429 Union street.	Crown.	$\frac{1}{2}$ inch.
Gregory, Jane Ann, west side Bowditch near Coggeshall street.	Crown.	$\frac{1}{2}$ "
Grinnell Mill, Kilburn street.	Union rotary.	4 "
Hall, S. M., estate, 327 Pleasant street.	Crown.	$\frac{3}{4}$ "
Hammond, Henry F., 79 Mill street.	Crown.	$\frac{3}{4}$ "
Harrison, Samuel, County and Division streets.	Crown.	$\frac{1}{2}$ "
Haskell, Edward S., 8 South Sixth street.	Hersey.	$\frac{3}{4}$ "
Haskell and Tripp, William and Purchase streets.	Union rotary.	2 "
Hathaway, Mrs. A. L., Elm and Palmer streets.	Crown.	$\frac{1}{2}$ "
Hathaway Manufacturing Co., Mill No. 1.	Union rotary.	4 "
Hathaway Manufacturing Co., Mill No. 2.	Gem.	4 "
Hathaway, Jas. C., Florence and Kempton streets.	Crown.	$\frac{3}{4}$ "
Hayes, N. P., William street.	Crown.	1 "
Hazzard's wharf.	Ball and Fitts.	2 "
Holcomb, Henry, estate, 21 Madison street.	Crown.	$\frac{1}{2}$ "
Heap, W. H., 141 Chestnut street.	Hersey.	$\frac{5}{8}$ "
Holmes, Estate of David W., 81 Thomas street.	Hersey.	$\frac{5}{8}$ "
Howard, Jane, Campbell and Shawmut ave.	Hersey.	$\frac{3}{4}$ "
Howland, George, wharf.	Ball and Fitts.	2 "
Howland, Elizabeth, 62 Allen street.	Crown.	$\frac{1}{2}$ "
Howland, Dr. B. C., 31 Eighth street.	Crown.	$\frac{3}{4}$ "
Howland, Paul, estate, 91 State street.	Union rotary.	$\frac{3}{4}$ "
Howland Mill No. 1.	Union rotary.	6 "
Howland Mill No. 2.	Union rotary.	6 "
Humphrey, James L., 8-16 North Second street.	Crown.	$\frac{3}{4}$ "
Hurd, Antoino, 150 Acushnet avenue.	Hersey.	$\frac{5}{8}$ "
Hutchinson, H. S., 202 Union street.	Hersey.	$\frac{3}{4}$ "
Irving Catharine, 93 Willis street.	Crown.	1 "
Isherwood, Ralph, 129 Austin street.	Crown.	$\frac{3}{4}$ "
Jason, A. V., 111 South Seventh street.	Crown.	$\frac{1}{2}$ "
Jay, James A., Second street.	Hersey.	1 "
Jenney, Susan A., 69 Chestnut street.	Hersey.	$\frac{3}{4}$ "
Johnson, John A., 216 Arnold street.	Crown.	$\frac{1}{2}$ "
Keene, Leonard, Jr., Parker and Chestnut streets.	Crown.	$\frac{3}{4}$ "
Kirby, Tillinghast, 350 Cottage street.	Crown.	$\frac{3}{4}$ "
Knowles, John P., Jr., 485 County street.	Crown.	$\frac{3}{4}$ "
Knowles, John P., Jr., 108 Willis street.	Hersey.	$\frac{3}{4}$ "
Lawrence, Edward I., 49 South Emerson street.	Hersey.	$\frac{5}{8}$ "
Lawrence Thomas W., 117 Willis street.	Hersey.	$\frac{3}{4}$ "
Lawrence, John H., 66 Parker street.	Hersey.	$\frac{5}{8}$ "

METERS.—*Continued.*

LOCATION.	LOCATION.	SIZE.
Lawton, Estate of James M., Jr., 80 State street.	Crown.	$\frac{3}{4}$ "
Lewis, E. R., 321 Union street.	Crown.	1 "
Lima, J. M., 100 South Sixth street.	Hersey.	$\frac{5}{8}$ "
Longfield, Joseph S., 52 Shawmut avenue.	Crown.	$\frac{5}{8}$ "
Lowe, John H., 931 Acushnet avenue.	Crown.	$\frac{5}{8}$ "
Lowell, Clarence, 40 Fifth street.	Crown.	$\frac{5}{8}$ "
Lythgoe, David, estate, 322 Pleasant street.	Hersey.	$\frac{5}{8}$ "
MacCalman, John, } 477 Cottage street.	Crown.	$\frac{3}{4}$ "
McCathie, David M., }		
Macauley, Walter S., 132 Division street.	Crown.	$\frac{5}{8}$ "
Macomber, William B., 74 State street.	Hersey.	$\frac{5}{8}$ "
Macy, J. Roland, 186 Union street.	Crown.	1 "
Macy, Roland, 1 Greene street.	Crown.	$\frac{1}{2}$ "
Maine, H. M., 36 North street.	Crown.	$\frac{1}{2}$ "
Masonic Building, Union and Pleasant sts.	Hersey.	$1\frac{1}{2}$ "
Marquand, James, 35 Maxfield street.	Crown.	$\frac{5}{8}$ "
Meaney, Thomas J., 953 and 957 South Water street.	Crown.	$\frac{1}{2}$ "
Meaney, Thomas J., 3 Division street.	Crown.	$\frac{1}{2}$ "
Merchants Bank, Purchase and William streets.	Hersey.	2 "
Merrills wharf.	Union rotary.	2 "
Milliken Frank, 39 Sycamore street.	Hersey.	$\frac{5}{8}$ "
Mills, William J., south side Austin street.	Hersey.	$\frac{5}{8}$ "
Mills, William J., south side Austin street.	Hersey.	$\frac{5}{8}$ "
Morrison John H., 402 Union street.	Crown.	$\frac{5}{8}$ "
Mosher, C. E. E. and H. C. W., 92 High st.	Crown.	$\frac{5}{8}$ "
Moynan & Co., Union street.	Union rotary.	3 "
Mt. Pleasant Mills Corp., Head of Purchase street.	Hersey.	$1\frac{1}{2}$ "
Mt. Washington Glass Works, Prospect st.	Union rotary.	2 "
Murkland, James H., 35 Fifth street.	Hersey.	$\frac{5}{8}$ "
Murkland, James H., 55 Walnut street.	Hersey.	$\frac{5}{8}$ "
Musprat, Ann J., 87 South Sixth street.	Crown.	$\frac{1}{2}$ "
Musprat, Ann J., rear 87 South Sixth street.	Crown.	$\frac{1}{2}$ "
Nash, Thos. N., Acushnet avenue and Nash road.	Crown.	$\frac{1}{2}$ "
New Bedford Cordage Co., Court and Ash streets.	Union rotary.	3 "
New Bedford and Martha's Vineyard Steamboat Co.'s wharf.	Crown.	3 "
New Bedford Five-cent Savings Bank, Purchase street.	Hersey.	1 "
New Bedford Gas Light Co., Coffin street.	Union rotary.	3 "
New Bedford Gas Light Co., South Water street.	Hersey.	1 "
New Bedford Gas Light Co., South Water street.	Hersey.	2 "



METERS.—*Continued.*

LOCATION.	PATTERN.	SIZE.
New Bedford Manufacturing Co., Mill No. 1.	Union rotary.	6 inch.
New Bedford Manufacturing Co., North street, Mill No. 2.	Union rotary.	6 "
New Bedford Paper Co., Hastings' wharf.	Hersey.	2 "
New Bedford Yacht Club, Pope's Island.	Ball and Fitts.	1 "
Nichols, Leander P., 49 North street.	Union rotary.	$\frac{3}{4}$ "
Nye, William F., Fish Island.	Crown.	1 "
N. Y., N. H. & H. R. R. Co., foot of Pearl street.	Crown.	$1\frac{1}{2}$ "
O'Brien, Michael, 97 Grinnell street.	Crown.	$\frac{1}{2}$ "
Old Colony Steamboat Co., Commercial wharf.	Union rotary.	3 "
Onoko Mills, Purchase street.	Union rotary.	6 "
Pairpoint Manufacturing Co., Prospect st.	Union rotary.	3 "
Parker, Geo. H., Parker and Chestnut sts.	Thomson.	$\frac{3}{4}$ "
Pease, Francis M., 218 Fourth street.	Hersey.	$\frac{3}{4}$ "
Pease, F. R., 923 Acushnet avenue.	Hersey.	$\frac{3}{4}$ "
Pease, F. R., 923 Acushnet avenue.	Thomson.	1 "
Perry, E. S., Maxfield and Summer streets.	Crown.	$\frac{3}{4}$ "
Perry, J. W., 62 Thomas street.	Crown.	$\frac{3}{4}$ "
Perry, Henry C., 671 County street.	Crown.	$\frac{3}{4}$ "
Perry, Henry C., 562 County street.	Crown.	$\frac{3}{4}$ "
Perry, S. T., estate, 77 North street.	Crown.	$\frac{3}{4}$ "
Pelan, Thomas, 278 Kempton street.	Crown.	$\frac{3}{4}$ "
P. & R. Coal and Iron Co.'s wharf.	Crown.	3 "
Pickens, George, 149 Summer street.	Crown.	$\frac{3}{4}$ "
Pierce, Frank E., 87 Mill street.	Crown.	$\frac{3}{4}$ "
Pierce Mill, Belleville avenue.	Hersey.	4 "
Pitman Lucy J., east side Atlantic, south of Union street.	Crown.	$\frac{1}{2}$ "
Pope's Island Manufacturing Co., Pope's Island.	Crown.	1 "
Potter, Wm. F. & Co., Front street.	Crown.	1 "
Potomska Mills, Potomska street.	Union rotary.	6 "
Potomska Mills gas house, Potomska street.	Hersey.	1 "
Price, Alexander, 110 County street.	Crown.	$\frac{3}{4}$ "
Quimby, Ezra, 135 Summer street.	Crown.	$\frac{3}{4}$ "
Refuse, R. T., Richmond and Maitland sts.	Crown.	$\frac{3}{4}$ "
Rich, Susan E., 22 Homer street.	Crown.	$\frac{3}{4}$ "
Robeson Building, William street.	Crown.	$\frac{3}{4}$ "
Rotch Spinning Corporation, Bolton road, Mill No. 1.	Hersey.	6 "
Rotch Spinning Corporation, Bolton road, Mill No. 2.	Union rotary.	6 "
Rotch's wharf.	Union rotary.	2 "
Russell, Charles G., 343 Purchase street.	Crown.	$\frac{3}{4}$ "
Sawtelle, Frank C., 315 Pleasant street.	Hersey.	$\frac{3}{4}$ "
Sherman, I. C. & Son, 76 Union street.	Union rotary.	2 "
Sherman, James L., 43 Mill street.	Crown.	$\frac{3}{4}$ "

METERS.—*Continued.*

LOCATION.	PATTERN.	SIZE.
Silveria, Frank A., 169 County street.	Hersey.	6 86 "
Slocum, Mrs. S. A., 187 Pleasant street.	Hersey.	6 86 "
Smalley, Orrick, Jr., 69 South Sixth street.	Crown.	6 86 "
Smith, Mrs. Chas. F., 233 Acushnet avenue.	Crown.	1 2 "
Smith, Chas. H., north side Hillman, west of Park street.	Crown.	1 2 "
Smith, Ellen M., 73 Bedford street.	Crown.	6 86 "
Smith Bros., Purchase and Linden streets.	Crown.	6 86 "
Smith, Esther L., 120 Maxfield street.	Hersey.	3 4 "
Snedden, George, 213 Weld street.	Crown.	3 4 "
Spare, J. V., Purchase street.	Hersey.	1 "
Spencer, Hartley, 18 Parker street.	Crown.	6 86 "
Spencer, Hartley, 14 Parker street.	Crown.	6 86 "
Spencer, John, 85 Austin street.	Crown.	3 4 "
Stafford, Geo. B., Shawmut avenue and Parker street.	Crown.	3 4 "
Stanton, A. G., 198 Grinnell street.	Crown.	3 4 "
St. Luke's Hospital, Allen and Page streets.	Hersey.	2 "
Sturtevant, Benjamin S., 35 Bay street.	Hersey.	6 86 "
Sullivan, Jeremiah D., 432 Purchase street.	Crown.	6 86 "
Sullivan, Jeremiah D., 438 Purchase street.	Crown.	1 2 "
Swan, Carrie B., 110 Fourth street.	Hersey.	6 86 "
Sylvia, Antone A., 48 Dartmouth street.	Crown.	1 2 "
Taber's Wharf.	Crown.	2 "
Thompson, Chas., 164 Summer street.	Crown.	3 4 "
Thompson, George W., 88 Willis street.	Crown.	1 2 "
Thornton, John R., 20 Seventh street.	Hersey.	3 4 "
Thornton, Alfred, 256 Union street.	Crown.	6 86 "
Tillinghast, Theodore F., Hicks street.	Crown.	6 86 "
Tobey, John B., 149 Washington street.	Crown.	6 86 "
Trinitarian Church, Fourth and School sts.	Hersey.	6 86 "
Tripp, Geo. H. W., 45 Bedford street.	Crown.	6 86 "
Tripp, Franklin C., 407 Cedar street.	Hersey.	6 86 "
Underwood Arthur P., 48 Mill street.	Crown.	1 2 "
Union Street Railway Co., Parker's wharf.	Crown.	3 "
U. S. Custom House, Second and William streets.	Crown.	3 4 "
U. S. Postoffice, Acushnet avenue and William street.	Hersey.	1 "
Vaughan, W. C. Jr., 323 Purchase street.	Crown.	6 86 "
Walker, William, County and Campbell streets.	Crown.	3 4 "
Wamsutta Mills, No. 1, 2 and 3.	Union rotary.	6 "
Wamsutta Mills, No. 4 and 5.	Union rotary.	8 "
Wamsutta Mills, No. 6.	Union rotary.	4 "
Wamsutta Mills gas house.	Hersey.	1 "
Washburn, A. R., 338 Cedar street.	Crown.	3 4 "
Washburn, F. A., agent, 343 Acushnet ave.	Crown.	3 4 "
Washburn, L. R., 190 Pleasant street.	Crown.	3 4 "

METERS.—*Continued.*

LOCATION.	PATTERN.	SIZE.
Webster, Dr. Helen W., Purchase and Mill streets.	Hersey.	1 inch.
Weeks, Henry T., east side Palmer street.	Crown.	$\frac{3}{8}$ "
Whittaker, Edwin, 138 State street.	Hersey.	$\frac{5}{8}$ "
Whittaker, Edwin, 17 Franklin street.	Crown.	$\frac{1}{2}$ "
Whittaker, Edwin, 140 State street.	Hersey.	$\frac{5}{8}$ "
Wilcox, Wm. T., 90 High street.	Crown.	$\frac{1}{2}$ "
Wilde, William T., 50 Catharine street.	Hersey.	$\frac{5}{8}$ "
Wood, Richmond B., Foster street.	Union rotary.	$\frac{3}{4}$ "
Worth, Henry B., 15 Washington street.	Crown.	$\frac{1}{2}$ "
Wright, Geo. F., 66 Cottage street.	Crown.	$\frac{1}{2}$ "
Y. M. P. T. & B. Society, 69 Elm street.	Hersey.	$\frac{5}{8}$ "

Number of meters in use December 1, 1895, . . . 254

## TABLE M.

## MOTORS.

LOCATION.	USED FOR	SIZE OF SUPPLY PIPE.
Acushnet Coöperative Association, 213 Acushnet avenue.	Grinding coffee.	1 inch.
Acushnet Club, 84-86 Potomska street.	Beer pump.	$\frac{1}{2}$ "
Avenue Club, 537 South First street.	Beer pump.	$\frac{1}{2}$ "
Baptist church, William street.	Blowing organ.	2 $\frac{1}{2}$ "
Barrett, P. J. and Co., 124 Union street.	Beer pump.	$\frac{1}{2}$ "
Barstow and Winslow, Allen and County streets.	Grinding coffee.	2 "
Bartley, Martin, 47 Middle street.	Beer pump.	$\frac{1}{2}$ "
Boardman, George, 54 Weld street.	Beer pump.	$\frac{1}{2}$ "
Bohan and Peters, 35 Elm street.	Beer pump.	$\frac{1}{2}$ "
Boston and New Bedford Bottling Co., 37 Morton's Court.	Bottle washer.	$\frac{5}{8}$ "
Bowen, James, 855 Purchase street.	Beer pump.	$\frac{1}{2}$ "
Bradford, J. B., 162 Acushnet avenue.	Grinding coffee.	2 "
Brownell, Albion T., Parker House.	Beer pump.	$\frac{1}{2}$ "
Buckley and Donovan, 37 Rivet street.	Beer pump.	$\frac{1}{2}$ "
Cavanaugh, Jeremiah L., 773 South Water street.	Beer pump.	$\frac{1}{2}$ "
Central Union store, 5 North Sixth street.	Grinding coffee.	1 $\frac{1}{4}$ "
Chadwick, Edward E., William street.	Sausage cut'ng.	2 "
Collins, Williston H., 34 North Second street.	Book binding.	2 "
Considine Bros., Weld and Acushnet avenue.	Beer pump.	$\frac{1}{2}$ "
Corey, Wm. T., 124-128 Purchase street.	Beer pump.	$\frac{1}{2}$ "
Corrigan, John, 906 South Water street.	Beer pump.	$\frac{1}{2}$ "
Cotter, Chas. A., 215-217 Coggeshall street.	Beer pump.	$\frac{1}{2}$ "
Cummings, C. S. & B., 102 William street.	Grinding coffee.	2 "
Dawson, Benj., Purchase and Hazard sts.	Elevator.	1 $\frac{1}{2}$ "
Dextraze, Louis, Jr., 821 South Water st.	Beer pump.	$\frac{1}{2}$ "
Downey, Maurice, 419 Rivet street.	Beer pump.	$\frac{1}{2}$ "
Driscoll, Church & Hall, Union and First.	Elevator.	3 "
Enos, Manuel, 433 and 439 So. Water st.	Beer pump.	$\frac{1}{2}$ "
Fay, James L., 912 Acushnet avenue.	Beer pump.	$\frac{1}{2}$ "
Finnell, John N., 361 Acushnet avenue.	Beer pump.	$\frac{1}{2}$ "
Folger, David B., 140 Union street.	Grinding coffee.	1 "
Francis, Anthony D., 165 South Water st.	Beer pump.	$\frac{1}{2}$ "
Francis, Jos. F., 599 So. Water street.	Beer pump.	$\frac{1}{2}$ "
Grace Church, School and County streets.	Blowing organ.	2 "
Green, John, 23 South Second street.	Beer pump.	$\frac{1}{2}$ "
Haskell & Tripp, William street.	Elevator.	3 "
Herrity, Patrick R., 28 Blackmer street.	Beer pump.	$\frac{1}{2}$ "
Holland, John, 629-633 South First street.	Beer pump.	$\frac{1}{2}$ "
Isherwood, John, N. side Winsor E. of Cra- po street.	Beer pump.	$\frac{1}{2}$ "
Jay, James A., 13 South Second street.	Clip'g machine.	1 "

MOTORS.—*Continued.*

LOCATION.	USED FOR	SIZE OF SUPPLY PIPE.
Kane, M. F., Halls court.	Beer pump.	$\frac{1}{2}$ inch.
Killegrew, Wm. H., 49 Hicks street.	Beer pump.	$\frac{1}{2}$ "
Kimball, Wm. J., 324 Acushnet avenue.	Beer pump.	$\frac{1}{2}$ "
Lafferty, Wm. P., 1015 South Water street.	Beer pump.	$\frac{1}{2}$ "
Lebeau, Prudent, 218 Coggeshall street.	Beer pump.	$\frac{1}{2}$ "
Macy, J. Roland, 186 Union street.	Grinding coffee.	1 "
Matthews, James, 318 Acushnet avenue.	Beer pump.	$\frac{1}{2}$ "
McCarthy, James E., 782 Purchase street.	Beer pump.	$\frac{1}{2}$ "
McDonald Bros., 831 South Water street.	Beer pump.	$\frac{1}{2}$ "
McIvor and Co., 835 Purchase street.	Beer pump.	$\frac{1}{2}$ "
Moynan & Co., Union street.	Elevator.	3 "
Murray, Anthony J., 405-407 Kempton st.	Beer pump.	$\frac{1}{2}$ "
Nesbett, F. B., 160 Purchase street.	Dentist.	$\frac{3}{8}$ "
N. B. Gas Light Co., South Water street.	Elevator.	2 "
North Congregational church, Purchase and Elm streets.	Blowing organ.	3 "
O'Brien, P. H., Purchase and Pearl streets.	Beer pump.	$\frac{1}{2}$ "
O'Leary, Patrick & Co., 870 and 876 Acush- net avenue.	Beer pump.	$\frac{1}{2}$ "
O'Leary, Patrick & Co., 870 and 876 Acush- net avenue.	Bottle washer.	$\frac{3}{8}$ "
O'Neil, Thos. F., 613 Acushnet avenue.	Beer pump.	$\frac{1}{2}$ "
Pease, F. R., 923 Acushnet avenue.	Fan.	$\frac{3}{4}$ "
Phelan, James, 894 South Water street.	Beer pump.	$\frac{1}{2}$ "
Potter, Wm. F. & Co., Front and Union sts.	Grinding coffee.	1 "
Rogers, Wm., 714 South Water street.	Beer pump.	$\frac{1}{2}$ "
Serpa, J. R. & Co., 73 Union Street.	Beer pump.	$\frac{1}{2}$ "
Sherman, I. C. & Son, 76 Union street.	Elevator.	3 "
Sherman, E. B., 62 Purchase street.	Beer pump.	$\frac{1}{2}$ "
Sisson, James E., 74 and 78 South Water st.	Beer pump.	$\frac{1}{2}$ "
Smith Bros., 777 and 783 Purchase street.	Beer pump.	$\frac{1}{2}$ "
Smith, Bernard P. 31-37 Delano street.	Beer pump.	$\frac{1}{2}$ "
St. John Baptist church, Fifth street.	Blowing organ.	2 "
St. Lawrence church, County and Hillman streets.	Blowing organ.	3 "
Spare, J. V., Purchase street.	Elevator.	1 "
Therrien, Eusabe, 267 Coggeshall street.	Beer pump.	$\frac{1}{2}$ "
Trinitarian Church, Fourth and School sts.	Blowing organ.	3 "
Trinitarian Church, Fourth and School sts.	Cellar drainer.	$\frac{3}{4}$ "
Unitarian church, Union and Eighth sts.	Blowing organ.	3 "
U. S. custom house, Second and William streets.	Cellar drainer.	$\frac{3}{4}$ "
Vernon, John, 634 South First street.	Beer pump.	$\frac{1}{2}$ "
Watson, Mark, 874 Purchase street.	Beer pump.	$\frac{1}{2}$ "

Total number of motors in use Dec. 1, 1895, . . . . . 79



## TABLE N.

## WATERING CART HYDRANTS.

Acushnet avenue, west side, 4.5 feet north from north line South Belleville road.  
Acushnet avenue, west side, 13.5 feet north from north line North Belleville road.  
Acushnet avenue, west side, 11.9 feet south from south line Tarkiln Hill road.  
Allen street, north side, 154 feet east of Page.  
Bedford street, south side, 86 feet west of Fourth.  
Campbell street, south side, 87 feet west of Purchase.  
Cedar Grove street, south side, 63 feet east of Acushnet avenue.  
Coffin avenue, south side, 16.5 feet west of Acushnet avenue.  
Commercial street, south side, 20.2 east of Water.  
County street, west side, 32.2 feet north of Allen.  
Court street, north side, 15 feet east of Ash.  
Dartmouth street, east side, 13 feet south of Oak.  
Elm street, south side, 57.4 feet west of Purchase.  
First street, west side, 118 feet south of School.  
First street, west side, 28 feet south of Grinnell.  
Grinnell street, south side, 31 feet east of County.  
Hawthorn street, south side, 17 feet east of Cottage.  
Hawthorn street, head of Tremont.  
Hazard street, south side, 21 feet west of Purchase.  
Kempton street, south side, 72 feet west of County.  
Kempton street, south side, 102 feet east of Newton.  
Kempton street, south side, 16 feet east of Rockdale avenue.  
Linden street, south side, 30 feet west of Purchase.  
Locust street, south side, 25 feet west of County.  
Madison street, south side, 17 feet east of Fourth.  
Madison street, south side, 39 feet west of County.  
Mill street, south side, 9 feet west of Purchase.  
Middle Point road, south side, 58 feet east of French avenue.  
Mt. Vernon street, south side, 14 feet west of Mt. Pleasant.  
Poplar road, north side, 32 feet west of Bolton road.  
Reynolds street, west side, 8 feet north of Linden.  
Robeson street, south side, 38 feet west of Cedar.  
Sawyer street, north side, 419.8 feet east of Mitchell.  
Smith street, south side, 53 feet east of Park.  
Spring street, north side, 45.2 feet east of Seventh.  
Summer street, west side, 4 feet north of Hillman.  
Sycamore street, south side, 77 feet west of County.

Thompson street, south side, 72 feet west of Warwick.

Union street, south side, 65 feet west of County.

Water street, west side, 6 feet south of Blackmer.

William street, south side, 27 feet east of Second.

Willis street south side, 7.5 feet east of Acushnet avenue.

Number now in use, 42.

## TABLE O.

## LOCATION OF HYDRANTS.

	Pressure in lbs.
Acushnet avenue, west side, 542 feet north of Tarkiln Hill road. . . . .	54
Acushnet avenue, southwest corner Tarkiln Hill road. . . . .	55
Acushnet avenue, west side, south of Tarkiln Hill road 500 feet. . . . .	54
Acushnet avenue, west side, south of Tarkiln Hill road 997 feet. . . . .	53
Acushnet avenue, west side, north of North Belleville road 600 feet. . . . .	53
Acushnet avenue, west side, north of North Belleville road 6 feet. . . . .	54
Acushnet avenue, west side, south of North Belleville road 601 feet. . . . .	55
Acushnet avenue, west side, north of Shaw 610 feet. . . . .	51
Acushnet avenue, northwest corner of Shaw. . . . .	47
Acushnet avenue, west side, north of South Belleville road 603½ feet. . . . .	45
Acushnet avenue, west side, head of South Belleville road. . . . .	42
Acushnet avenue, northwest corner of Nash road. . . . .	40
Acushnet avenue, northwest corner of Hathaway avenue. . . . .	40
Acushnet avenue, northwest corner of Davis. . . . .	41
Acushnet avenue, southwest corner of Phillips avenue. . . . .	39
Acushnet avenue, southwest corner of Dean. . . . .	48
Acushnet avenue, west side, north of Sawyer 574½ feet. . . . .	53
Acushnet avenue, southwest corner of Coggeshall. . . . .	56
Acushnet avenue, southwest corner of Cedar Grove. . . . .	54
Acushnet avenue, west side, south of Logan 335 feet. . . . .	60
Acushnet avenue, west side, north of Wamsutta 514 feet. Double. . . . .	62
Acushnet avenue, west side, north of Wamsutta 372 feet. . . . .	60
Acushnet avenue, west side, south of Wamsutta 255 feet. Flush. . . . .	63
Acushnet avenue, west side, at end of Wall street. . . . .	62
Acushnet avenue, southeast corner of Pope. Flush. . . . .	64
Acushnet avenue, northwest corner of Willis. Flush. . . . .	61
Acushnet avenue, west side, south of Campbell 179 feet. Flush. . . . .	59
Acushnet avenue, northwest corner of Maxfield. Flush. . . . .	57
Acushnet avenue, northwest corner of Kempton. Flush. . . . .	47
Acushnet avenue, northeast corner of Elm. Flush. . . . .	47
Acushnet avenue, northwest corner of School. . . . .	51
Acushnet avenue, northwest corner of Madison. . . . .	57
Acushnet avenue, northwest corner of Russell. . . . .	58

	Pressure in lbs.
Acushnet avenue, northwest corner of Bedford. . . . .	60
Acushnet avenue, west side, opposite Howland. Flush. . . . .	61
Acushnet avenue, northwest corner of Potomska. . . . .	50
Acushnet avenue, west side, north of Rivet 98 feet. . . . .	59
Acushnet avenue, southwest corner of Blackmer. Flush. . . . .	60
Allen street, south side, 445 feet west of Rural. . . . .	26
Allen street, northwest corner of Ward. Flush. . . . .	41
Allen street, north side, east of Page 159 feet. Flush. . . . .	38
Allen street, southwest corner of Page. . . . .	36
Arch street, southwest corner of Union. Flush. . . . .	24
Armour street, southwest corner of Union. . . . .	24
Arnold street, south side, west of Orchard 96 feet. . . . .	22
Arnold street, southwest corner of Chancery. Flush. . . . .	33
Arnold street, southeast corner of Atlantic. Flush. . . . .	32
Arnold street, south side, 15.3 feet west of James. . . . .	24
Ash street, northwest corner of Middle. . . . .	27
Ash street, southwest corner of Morgan. Double. . . . .	25
Ash street, northwest corner of Arnold. Flush. . . . .	32
Ash street, northwest corner of Maple. Flush. . . . .	34
Ash street, northwest corner of Bedford. . . . .	37
Ashland street, west side, head of Linden. Flush. . . . .	11
Ashland street, southwest corner of Clark. . . . .	12
Atlantic street, west side, 186 feet south of Arnold. . . . .	29
Atlantic street, southwest corner of Union. . . . .	31
Austin street, southeast corner of State. . . . .	42
Austin street, southwest corner of Purchase. . . . .	56
Austin street, southeast corner of Cedar. . . . .	19
Austin street, south side, on west line of Wilson. . . . .	20
Austin street, southwest corner of Ashland. . . . .	15
Austin street, southeast corner of Shawmut avenue. . . . .	14
Babbitt street, south side, 207.5 feet west of Dartmouth. . . . .	42
Babbitt street, southeast corner of Field. . . . .	37
Bedford street, southwest corner of Fourth. . . . .	53
Bedford street, southwest corner of Fifth. . . . .	55
Bedford street, southwest corner of County. . . . .	42
Bedford street, southwest corner of Orchard. . . . .	33

	Pressure in lbs.
Beech street, northwest corner of Kempton. . . . .	18
Beetle street, southwest corner of Howard. . . . .	55
Beetle street, southeast corner of Front. . . . .	57
Belleville avenue, west side, 118 feet north of Washburn. . . . .	63
Belleville avenue, northwest corner of Cedar Grove. . . . .	62
Belleville avenue, southwest corner of Washburn. . . . .	61
Belleville avenue, west side, 134 feet north of Coggeshall. . . . .	62
Belleville avenue, northwest corner of Beetle. . . . .	60
Belleville avenue, southwest corner of Coffin avenue. . . . .	59
Belleville avenue, southwest corner of Plummer avenue. . . . .	58
Belleville road, south side, 233 feet east of Acushnet avenue. . . . .	38
Blackmer street, south side, east of Front 575 feet. . . . .	63
Bolton road, west side, 370 feet north of Rivet. . . . .	50
Bolton road, west side, north of Rotch Mill No. 2. . . . .	49
Bolton road, west side, south of Rotch Mill No. 2. . . . .	49
Bolton road, west side, south of Rivet 1,027 feet. . . . .	59
Bolton road, northwest corner Poplar road. . . . .	59
Bonney street, southwest corner of Allen. . . . .	41
Bonney street, northwest corner of Grinnell. . . . .	48
Bonney street, northwest corner of Rockland. . . . .	54
Bonney street, southwest corner of Thompson. . . . .	55
Borden street, southwest corner of Bay. . . . .	42
Bowditch street, southwest corner of Weld. . . . .	56
Bowditch street, west side, 313 feet south of Cedar Grove. . . . .	55
Bowditch street, west side, north of Cedar Grove 244 feet. . . . .	55
Bowditch street, northwest corner of Coggeshall. . . . .	49
Bowditch street, west side, 358 feet north of Coffin avenue. . . . .	34
Bridge avenue, north side, 44 feet west of draw. Flush. . . . .	62
Bridge avenue, south side, 11 feet west of draw. Flush. . . . .	62
Brownell street, west side, 294 feet south of Union. . . . .	22
Bullock street, southwest corner of Trinity. . . . .	14
Butler street, south side, 1,635 feet east of Middle Point road. Flush. . . . .	55
Butler street, south side, 287 feet east of Middle Point road. Flush. . . . .	40
Campbell street, south side, east of County 163 feet. Flush. . . . .	28
Campbell street, south side, 216.5 feet west of County. . . . .	25
Campbell street, southwest corner of Cottage. . . . .	19



Pressure  
in lbs.

Campbell street, south side, east of Emerson 205 feet. Flush. . . .	18
Campbell street, southwest corner of Purchase. . . . .	49
Cannon street, south side, east of Second 164 feet. . . . .	63
Cedar street, northwest corner of Elm. Double. . . . .	25
Cedar street, southwest corner of Kempton. Flush. . . . .	26
Cedar street, west side, north of Mill 75 feet. Flush. . . . .	23
Cedar street, southwest corner of Hillman. Flush. . . . .	23
Cedar street, northwest corner of Sycamore. Flush. . . . .	21
Cedar street, southwest corner of Campbell. Flush. . . . .	18
Cedar street, southwest corner of Parker. Flush. . . . .	19
Cedar Grove street, southeast corner of Front. . . . .	60
Cedar Grove street, southeast corner of Howard. . . . .	58
Cedar Grove street, south side, 383 feet west of Bowditch. . . . .	57
Cedar Grove street, northwest corner of Purchase. . . . .	56
Cedar Grove street, southwest corner of County. . . . .	43
Cedar Grove street, south side, 183.5 feet west of County. . . . .	40
Centre street, south side, east of Water 85 feet. Flush. . . . .	56
Chancery street, southwest corner of Maple. . . . .	34
Chancery street, west side, north of Arnold 406 feet. . . . .	33
Chancery street, southwest corner of Elm. . . . .	28
Chancery street, west side, south of Parker 176 feet. . . . .	24
Chancery street, west side, 263 feet north of Parker. . . . .	16
Cherry street, southeast corner of Seventh. Flush. . . . .	38
Chestnut street, southwest corner of North. Flush. . . . .	19
Chestnut street, west side, north of Campbell 96 feet. Flush. . . .	22
Church street, southwest corner of Hathaway avenue. . . . .	33
Church street, west side, 591.4 feet north of Coffin avenue. . . . .	36
Clark street, southwest corner of State. . . . .	46
Clark street, south side, 170 feet west of County. . . . .	40
Clay street, northwest corner of Columbia. . . . .	44
Cleveland avenue, west side, 681 feet south of Cove. . . . .	54
Clinton street, south side, east of Orchard 125 feet. Flush. . . . .	26
Clinton street, south side, west of Ash 242.5 feet. . . . .	44
Coffin avenue, southwest corner of Church. . . . .	40
Coffin avenue, south side, opposite Onoko lane. . . . .	40
Coffin avenue, southeast corner of Bowditch. . . . .	40

	Pressure in lbs.
Coffin avenue, southeast corner of Front. . . . .	50
Coffin avenue, south side, 1,337 feet east of Belleville avenue. . . .	63
Coffin street, north side, 262 feet east of Water. . . . .	62
Coggeshall street, south side, 654 feet east of Mitchell. . . . .	63
Coggeshall street, south side, 498 feet east of Mitchell. . . . .	62
Coggeshall street, south side, 334 feet east of Mitchell. . . . .	62
Coggeshall street, north side, 148 feet east of Mitchell. . . . .	62
Coggeshall street, southeast corner of Belleville avenue. . . . .	62
Coggeshall street, southwest corner of Front. . . . .	61
Coggeshall street, southwest corner of Purchase. . . . .	53
Coggeshall street, southeast corner of County. . . . .	43
Coggeshall street, south side, 384 feet west of County. . . . .	36
Collins street, southeast corner of Glover. . . . .	15
Columbia street, southwest corner of Allen. . . . .	40
Commercial street, north side, east of Front 82 feet. . . . .	62
Cottage road, south side, 435 feet west of Bolton road. . . . .	55
Cottage street, southwest corner of Bay. . . . .	43
Cottage street, northwest corner of Allen. Flush. . . . .	42
Cottage street, northwest corner of Bedford. Flush. . . . .	37
Cottage street, northwest corner of Hawthorn. Flush. . . . .	31
Cottage street, southwest corner of Arnold. Flush. . . . .	23
Cottage street, southwest corner of Union. Flush. . . . .	22
Cottage street, southwest corner of Kempton. . . . .	22
Cottage street, northwest corner of Hillman. . . . .	20
Cottage street, northwest corner of Sycamore. . . . .	20
Cottage street, northwest corner of Parker. . . . .	23
Cottage street, west side, 237 feet north of Locust. . . . .	20
Cottage street, west side, 92 feet south of Austin. . . . .	17
County street, southwest corner of Sawyer. . . . .	44
County street, southeast corner of Penniman. . . . .	44
County street, west side, 234½ feet south of Clark. . . . .	43
County street, west side, 115 feet south of Weld. . . . .	42
County street, southwest corner of Austin. . . . .	33
County street, northwest corner of Locust. . . . .	24
County street, northwest corner of Parker. Flush. . . . .	23
County street, southwest corner of Smith. . . . .	30

Pressure  
in lbs.

County street, southwest corner of Maxfield. Flush. . . . .	25
County street, southwest corner of North. Flush. . . . .	21
County street, southwest corner of Middle. Double. . . . .	22
County street, southwest corner of Morgan. . . . .	22
County street, northwest corner of Union. Flush. . . . .	24
County street, west side, head of School. . . . .	23
County street, southwest corner of Madison. . . . .	27
County street, southwest corner of Hawthorn. . . . .	32
County street, northwest corner of Allen. . . . .	45
County street, southwest corner of Grinnell. . . . .	61
County street, northwest corner of South. . . . .	62
County street, northwest corner of Winsor. . . . .	57
County street, west side, 71 feet north of Division. . . . .	54
County street, northwest corner of Cove road. . . . .	62
Court street, southwest corner of Orchard. . . . .	20
Court street, southeast corner of Cedar. . . . .	20
Court street, northeast corner of Ash. . . . .	20
Court street, southwest corner of Emerson. . . . .	25
Court street, south side, west from Park 304 feet. Flush. . . . .	32
Court street, south side, head of Jenney. . . . .	23
Court street, south side, east of Reed 300 feet. . . . .	22
Cove road, southwest corner of Shore street. . . . .	61
Cove road, south side, 365 feet west of County. . . . .	61
Cove street, southwest corner of Cleveland avenue. . . . .	61
Cove street, southwest corner of Harrison avenue. . . . .	61
Cove street, southwest corner of Salisbury. . . . .	59
Cove street, southwest corner of Viall. . . . .	59
Cove street, southwest corner of McGurk. . . . .	59
Cove street, southeast corner of Stapleton. . . . .	55
Cove street, southeast corner of County. . . . .	62
Crapo street, west side, south of Washington 343 feet. Flush. . . . .	60
Crapo street, west side, south of Rockland 225 feet. Flush. . . . .	63
Crapo street, west side, 160 feet south of Thompson. . . . .	58
Dartmouth street, east side, southwest of Orchard 110 feet. . . . .	46
Dartmouth street, east side, 125 feet south of Hickory. . . . .	47
Dartmouth street, east side, 260 feet south of Rockland. . . . .	45

	Pressure in lbs.
Dartmouth street, east side, 99 feet south of Thompson . . . . .	44
Dartmouth street, southeast corner of Larch. . . . .	42
Dartmouth street, east side, 28 feet north of Dunbar. . . . .	43
Davis street, south side, 321.8 feet east of Front. . . . .	50
Davis street, southwest corner of Front. . . . .	46
Dean street, southwest corner of Belleville avenue. . . . .	62
Dean street, southeast corner of Front. . . . .	50
Delano street, southwest corner of Water. . . . .	57
Delano street, southeast corner of Acushnet avenue. . . . .	57
Division street, southeast corner of Second. . . . .	61
Division street, south side, 527 feet west of County. . . . .	62
Division street, south side, east of Crapo 6 feet. . . . .	58
Durfee street, southwest corner of Cedar. . . . .	15
Durfee street, southwest corner of Bullock. . . . .	17
Durfee street, southwest corner of Shawmut avenue. . . . .	12
East French avenue, northwest corner of Columbia avenue. . . . .	61
Edwards street, south side, 90 feet east of Field. . . . .	35
Elm street, southwest corner of Purchase. . . . .	43
Elm street, southwest corner of Pleasant. . . . .	37
Elm street, southwest corner of Eighth. . . . .	21
Elm street, southwest corner of Summer. Flush. . . . .	18
Elm street, south side, 43.5 feet west of Florence. . . . .	26
Elm street, southeast corner of Palmer. . . . .	14
Emerson street, west side, 173.8 feet north of Arnold. . . . .	29
Field street, northwest corner of Stowell. . . . .	37
Fifth street, southwest corner of Union. . . . .	41
Fifth street, southwest corner of School. . . . .	45
Fifth street, west side, south of Madison 245 feet. Flush. . . . .	50
Fifth street, northwest corner of Wing. . . . .	59
Fifth street, northwest corner of Grinnell. Flush. . . . .	61
First street, southwest corner of Spring. Flush. . . . .	58
First street, west side, south of School 109 feet. Flush. . . . .	57
First street, west side, south of Howland 185 feet. Flush. . . . .	65
First street, northwest corner of Potomska. . . . .	59
Florence street, southwest corner of Hillman. . . . .	24
Florence street, northwest corner of Mill. . . . .	24

Pressure  
in lbs.

Florence street, west side, 199.6 feet south of Kempton. . . . .	27
Florence street, southwest corner of Morgan. . . . .	29
Forest street, south side, west of County 90 feet. Flush. . . . .	53
Foster street, southwest corner of High. . . . .	30
Fourth street, southwest corner of Union. Flush. . . . .	46
Fourth street, west side, north of School 106 feet. Flush. . . . .	46
Fourth street, west side, south of Madison 210 feet. Flush. . . . .	54
Fourth street, east side, opposite Washington. . . . .	57
Fourth street, northwest corner of Rockland. Flush. . . . .	62
Fourth street, west side, south of Potomska 61 feet. . . . .	58
Franklin street, southwest corner of Pleasant. Flush. . . . .	43
Franklin street, southwest corner of State. . . . .	38
French avenue, west side, south of Cove road 14 feet. Flush. . . .	60
Front street, southwest corner of Holly. . . . .	56
Front street, west side, south of Washburn 319 feet. Flush. . . . .	62
Front street, southwest corner of Logan. . . . .	60
Front street, west side, 190.2 feet south of Logan. . . . .	62
Front street, west side, south of Logan 383 feet. . . . .	63
Front street, west side, 235.2 feet north of Wamsutta. . . . .	63
Front street, southeast corner of Wamsutta. . . . .	63
Front street, southwest corner of Middle. . . . .	62
Front street, southwest corner of Hazard's lane. Flush. . . . .	61
Front street, northwest corner of Rodman. . . . .	61
Front street, southwest corner of Centre. Flush. . . . .	61
Front street, west side, south of Commercial 86 feet. Flush. . . .	63
Front street, northwest corner of lane head of Merrill's wharf. Flush.	65
Front street, west side, south of Howland 268 feet. . . . .	61
Front street, southwest corner of Grinnell. . . . .	62
Front street, west side, south of South 330 feet. . . . .	62
Front street, west side, 191 feet north of Blackmer. . . . .	59
Front street, west side, north of Delano 191 feet. . . . .	62
Fruit street, south side, east of Hemlock 126.5 feet. . . . .	53
Fruit street, south side, 25.5 feet west of Mulberry. . . . .	46
Gifford street, south side, 274 feet east of Water. . . . .	65
Gifford street, south side, 167.8 feet west of Harbor. . . . .	60
Gifford street, south side, 299.3 east of Harbor. . . . .	62



	Pressure in lbs.
Grand street, south side, 750 feet west of Shawmut avenue. . . . .	14
Granfield street, west side, 263 feet north of Coggeshall. . . . .	59
Grape street, south side, west of Lewis 131 feet. . . . .	36
Grape street, southwest corner of Small. . . . .	35
Grape street, southwest corner of Devoll. . . . .	29
Griffin street, southwest corner of Second. Flush. . . . .	62
Grinnell street, south side, west of Acushnet avenue 76 feet. Flush. .	60
Grinnell street, south side, east of Crapo 103 feet. Flush. . . . .	58
Grinnell street, southwest corner of Orchard. . . . .	50
Grove street, southwest corner of Anthony. . . . .	26
Harbor street, east side, 195 feet north of Cove. . . . .	60
Harbor street, east side, 372 feet north of Cove. . . . .	60
Harbor street, east side, 540 feet north of Cove. . . . .	60
Harbor street, east side, 195.8 feet south of Gifford. . . . .	61
Harbor street, southeast corner of Gifford. . . . .	61
Harmony street, southwest corner of Social. . . . .	59
Harrison street, southwest corner of Hickory. . . . .	48
Hathaway avenue, south side, 233.4 feet east of Church. . . . .	33
Hawthorn street, southeast corner of Page. Flush. . . . .	28
Hawthorn street, south side, east of Tremont 147 feet. . . . .	28
Hawthorn street, southwest corner of Brigham. . . . .	26
Hawthorn street, south side, 301 feet west of Brigham. . . . .	24
Hazard street, south side, west of State 140 feet. Flush. . . . .	36
Hazard street, southwest corner of Pleasant. Flush. . . . .	46
Hemlock street, west side, 231 feet south of Rockland. . . . .	50
Hicks street, south side, east of Acushnet avenue 276 feet. . . . .	56
High street, south side, east of Acushnet avenue 43 feet. Flush. . .	48
High street, southwest corner of Purchase. . . . .	42
High street, south side, east of County 177 feet. Flush. . . . .	23
Highland street, west side, 418.4 feet north of Durfee. . . . .	12
Hillman street, southwest corner of Second. Flush. . . . .	57
Hillman street, southwest corner of Purchase. . . . .	45
Hillman street, southwest corner of Pleasant. . . . .	35
Hillman street, head of State. . . . .	27
Hillman street, head of Thomas. . . . .	23
Hillman street, southwest corner of Chancery. . . . .	29

Pressure  
in lbs.

Holly street, southwest corner of Belleville avenue. . . . .	61
Holly street, southwest corner of Bowditch. . . . .	48
Holly street, southeast corner of Brook. . . . .	47
Hollyhock street, south side, 133 feet east of Field. . . . .	40
Howard avenue, south side, 364 feet east of Acushnet avenue. . . . .	52
Howland street, northeast corner of Second. Flush. . . . .	63
Howland street, south side, 19.2 feet west of Prospect. . . . .	60
Hunter street, southwest corner of Hillman. . . . .	20
Independence street, south side, 480 feet west of County. . . . .	57
Irving court, north end of court. Flush. . . . .	25
James street, west side, 107 feet north of Arnold. . . . .	24
James street, southwest corner of Court. . . . .	24
Katharine street, south side, 66.7 feet east of Crapo. . . . .	62
Kempton street, southwest corner of Pleasant. . . . .	36
Kempton street, south side, opposite Hill. . . . .	23
Kempton street, southwest corner of Summer. Flush. . . . .	19
Kempton street, southwest corner of Emerson. Flush. . . . .	26
Kempton street, southwest corner of Park. Flush. . . . .	28
Kempton street, southwest corner of Liberty. Flush. . . . .	29
Kempton street, southeast corner of Jenney. Flush. . . . .	26
Kempton street, south side, west of Hunter 50 feet. . . . .	21
Kempton street, southwest corner of Francis. . . . .	14
Kilburn street, north side, east of Front 244 feet. . . . .	62
Kilburn street, north side, east of Front 581 feet. . . . .	64
Larch street, south side, 120 feet east of Mulberry. . . . .	45
Larch street, south side, 129 feet east of Hemlock. . . . .	51
Liberty street, west side, south of Kempton 339 feet. Flush. . . . .	30
Lincoln street, west side, south of Union 171 feet. Flush. . . . .	23
Linden street, south side, west of State $13\frac{1}{2}$ feet. . . . .	43
Linden street, south side, west of County 169 feet. . . . .	34
Linden street, south side, $67\frac{1}{2}$ feet west of Reynolds. . . . .	24
Linden street, south side, $6\frac{1}{2}$ feet east of Ashland. . . . .	14
Lindsey street, west side, 173 feet south of Kempton. . . . .	27
Lindsey street, northwest corner of Morgan. . . . .	24
Locust street, southwest corner of Chestnut. . . . .	23
Locust street, southeast corner of Richmond. . . . .	15

	Pressure in lbs.
Logan street, south side, east of Acushnet avenue 400 feet. Flush.	62
Logan street, southwest corner of Acushnet avenue. Flush.	63
Lombard street, west side, 209½ feet south of Rockland.	50
Madison street, southwest corner of First. Flush.	61
Madison street, southwest corner of Sixth.	41
Maitland street, southwest corner of Cedar.	19
Maitland street, south side, 101 feet west of Richmond.	16
Maxfield street, southwest corner of Second.	58
Maxfield street, southwest corner of Purchase.	46
Maxfield street, southwest corner of Pleasant.	38
Maxfield street, southwest corner of Foster.	33
Maxfield street, southeast corner of Chestnut. Flush.	19
Maxfield street, southeast corner of Spruce. Flush.	21
Maxfield street, southeast corner of Ash.	22
Maxfield street, south side, 44.4 feet east of Chancery.	27
McGurk street, west side, 348 feet north of Middle Point road.	55
Mechanics lane, northwest corner of Purchase.	42
Mechanics lane, north side, east of Eighth 206 feet. Flush.	30
Merrimac street, southwest corner of State.	41
Middle street, southwest corner of Second.	52
Middle street, southwest corner of Acushnet avenue.	46
Middle street, southwest corner of Purchase.	42
Middle street, southwest corner of Pleasant.	35
Middle street, southwest corner of Sixth.	30
Middle street, south side, east of Cedar 371 feet. Flush.	32
Middle street, southeast corner of Chancery. Flush.	29
Mill street, northwest corner of Purchase.	43
Mill street, south side, west of Hill 191 feet. Flush.	25
Mill street, south side, west of Ash 45 feet. Flush.	25
Mill street, south side, 104 feet east of Park.	25
Mill street, southeast corner of Newton.	26
Mill street, south side, 138 feet west of Hunter.	18
Mill street, south side, 97.9 feet west of Beech.	14
Mitchell street, northwest corner of Coggeshall.	61
Mitchell street, west side, 178.8 feet north of Coggeshall.	63
Mitchell street, west side, 345 feet south of Sawyer.	61

Pressure  
in lbs.

Mitchell street, southwest corner of Sawyer. . . . .	61
Moorland terrace, south side, 335 feet east of Page. . . . .	32
Morgan street, southwest corner of Cottage. Flush. . . . .	33
Morton's court, west side, 385.3 feet north of Cove. . . . .	59
Mosher street, south side, west of County 517 feet. . . . .	59
Mosher street, southeast corner of Crapo. . . . .	55
Mt. Pleasant street, southeast corner of distributing reservoir. Flush. .	4
Mt. Pleasant street, west side, north of Durfee 572 feet. Flush. . .	8
Mt. Pleasant street, northwest corner of Durfee. . . . .	12
Mt. Vernon street, south side, 359 feet west of Mt. Pleasant. Flush. .	6
Myrtle street, west side, 22 feet south of Weld. . . . .	23
Myrtle street, southwest corner of Clark. . . . .	18
Nelson street, south side, 541.6 feet west of County. . . . .	60
Newton street, northwest corner of Elm. . . . .	29
North street, southeast corner of Second. . . . .	54
North street, southwest corner of Acushnet avenue. . . . .	49
North street, southwest corner of Purchase. . . . .	44
North street, northwest corner of Pleasant. . . . .	35
North street, southwest corner of Foster. . . . .	30
North street, southwest corner of Hill. . . . .	26
North street, southwest corner of Park. . . . .	29
North street, south side, 258 feet west of Newton. . . . .	24
North street, southwest corner of Hunter. . . . .	22
North street, southwest corner of Beech. . . . .	17
Nye street, southwest corner of Belleville avenue. . . . .	60
Nye street, southwest corner of Front. . . . .	54
Oak street, southwest corner of Harrison. . . . .	45
Oak street, northwest corner of Grape. . . . .	41
Oak street, southwest corner of Allen. . . . .	38
Ocean street, west side, 184½ feet south of Arnold. . . . .	32
Old Point road, west side, east of French avenue 650 feet. Flush. .	53
Old Point road, west side, 2,510 feet east of McGurk. Flush. . .	43
Orchard street, southwest corner of Madison. . . . .	27
Orchard street, southwest corner of Grove. . . . .	34
Page street, west side, 429½ feet south of Hawthorn. . . . .	36
Palmer street, west side, 113 feet south of Court. . . . .	19

	Pressure in lbs.
Park place, south side, west of Sixth 306 feet. Flush. . . . .	32
Park street, west side, 27.1 feet south of Maxfield. . . . .	24
Park street, southwest corner of Hillman. . . . .	25
Park street, west side, south of Kempton 339 feet. . . . .	27
Park street, northwest corner of Court. . . . .	28
Park street, west side, north of Arnold 263 feet. . . . .	34
Parker street, south side, at Oak Grove cemetery. . . . .	25
Parker street, southwest corner of Summer. Flush. . . . .	27
Pearl street, southwest corner of Pleasant. . . . .	41
Pearl street, southwest corner of Purchase. . . . .	50
Pine street, northwest corner of Cross. Flush. . . . .	65
Pleasant street, northwest corner of Market. . . . .	40
Pleasant street, west side, north of William 21½ feet. . . . .	40
Pleasant street, east side, foot of Sycamore. . . . .	39
Pleasant street, northwest corner of Pope. Flush. . . . .	42
Pleasant street, northwest corner of Austin. Flush. . . . .	47
Pleasant street, southwest corner of Linden. Flush. . . . .	48
Pleasant street, southwest corner of Weld. . . . .	48
Plummer avenue, south side, 177 east of Belleville avenue. . . . .	58
Pope street, south side, opposite North Oak. . . . .	27
Pope street, south side, 226 feet east of Chestnut. . . . .	21
Poplar road, south side, 431 feet west of Bolton road. . . . .	52
Potomska street, a group of three post hydrants located about 300 feet east of Prospect and 91 feet north of south line of Potomska street. . . . .	64
Prospect street, west side, 275.2 feet north of Grinnell. . . . .	61
Prospect street, northwest corner of Grinnell. . . . .	63
Prospect street, west side, north of Potomska 324½ feet. . . . .	62
Prospect street, northwest corner of Potomska. . . . .	63
Purchase street, northwest corner of Dean. . . . .	43
Purchase street, west side, opposite Onoko mill. . . . .	48
Purchase street, east side, opposite Clark. . . . .	58
Purchase street, west side, opposite Logan. Flush. . . . .	58
Purchase street, northwest corner Merrimac. Double. . . . .	51
Purchase street, northwest corner of Pope. Flush. . . . .	52
Purchase street, west side, 348 feet south of Campbell. . . . .	48



	Pressure in lbs.
Purchase street, northwest corner of Union. Flush. . . . .	43
Purchase avenue, northeast corner of Purchase. . . . .	42
Reed street, west side, 145 feet north of Court. . . . .	19
Reed street, southwest corner of Elm. . . . .	14
Reed street, southwest corner of Middle. . . . .	14
Reynolds street, southwest corner of Weld. . . . .	26
Reynolds street, west side, 17.9 feet south of Clark. . . . .	29
River street, southwest corner of Belleville avenue. . . . .	60
River street, southeast corner of Front. . . . .	53
Riverside avenue, west side, 155 feet north of Coffin avenue. . . . .	63
Rivet street, southwest corner of Second. Flush. . . . .	62
Rivet street, southwest corner of County. . . . .	59
Rivet street, southwest corner of Bonney. . . . .	59
Rivet street, southwest corner of Hemlock. . . . .	51
Rivet street, southeast corner of Bolton road. . . . .	56
Robeson street, southwest corner of County. . . . .	26
Robeson street, southeast corner of Cottage. . . . .	19
Robeson street, southwest corner of Ashland. . . . .	15
Robeson street, southeast corner of Cedar. . . . .	21
Robeson street, south side, 424 feet west of Cedar. . . . .	17
Rockdale avenue, southwest corner of Bolton road. . . . .	57
Rockdale avenue, south side, 327 feet west of Bolton road. . . . .	54
Rockland street, southwest corner of County. . . . .	58
Rockland street, southeast corner of Hall. . . . .	56
Rockland street, south side, 13 feet west of Orchard. . . . .	54
Rockland street, south side, 179.3 feet east of Hemlock. . . . .	51
Rockland street, southwest corner of Lombard. . . . .	50
Rounds street, northwest corner of Elm. . . . .	22
Rural street, southwest corner of Allen. . . . .	28
Russell street, south side, east of Fifth 92 feet. Flush. . . . .	54
Russell street, southwest corner of Sixth. . . . .	47
Russell street, south side, 179 feet west of Sixth. . . . .	42
Salisbury street, west side, 598 feet south of Cove. . . . .	53
Sawyer street, southwest corner of Bowditch. . . . .	53
Sawyer street, southwest corner of Acushnet avenue. . . . .	59
Sawyer street, southeast corner of Belleville avenue. . . . .	65

	Pressure in lbs.
Sawyer street, north side, 750 feet east of Belleville avenue. . . . .	63
Sawyer street, south side, 418.8 feet east of Mitchell. . . . .	64
School street, southwest corner of Sixth. . . . .	37
Scott street, south side, 325 feet west of County. . . . .	59
Second street, northwest corner of Mill. Flush. . . . .	55
Second street, west side, south of Elm 52 feet. . . . .	52
Second street, west side, south of Spring 74 feet. Flush. . . . .	55
Second street, northwest corner of Coffin. Flush. . . . .	61
Second street, west side, at head of Morgan's lane. . . . .	60
Second street, west side, north of Grinnell 61 feet. Flush. . . . .	63
Second street, west side, north of Potomska 232 feet. . . . .	61
Second street, west side, south of Potomska 122 feet. . . . .	63
Second street, west side, 188 feet south of Blackmer. . . . .	59
Seventh street, southwest corner of Union. . . . .	31
Seventh street, west side, north of Madison 50 feet. Flush. . . . .	36
Shawmut avenue, southwest corner of Willis. . . . .	18
Shawmut avenue, southwest corner of Parker. . . . .	18
Shawmut avenue, west side, head of Locust. . . . .	17
Shawmut avenue, southwest corner of Robeson. . . . .	14
Shawmut avenue, west side, north of Austin. . . . .	13
Shawmut avenue, west side, 497 feet north of Durfee. . . . .	12
Shawmut avenue, southwest corner of Grand. . . . .	11
Shawmut avenue, west side, 203 feet north of Grand. . . . .	11
Sherman street, south side, west of County 314 feet. Flush. . . . .	51
Shore street, west side, 264 feet south of Cove road. . . . .	61
Short street, west side, 321 feet south of Allen. . . . .	34
Sisson street, northwest corner of Union. . . . .	25
Sixth street, west side, north of Grinnell 194 feet. . . . .	60
Smith street, southwest corner of Chestnut. Double. . . . .	22
Smith street, southeast corner of Spruce. Double. . . . .	20
Smith street, southeast corner of Shawmut avenue. Flush. . . . .	22
Smith street, south side, east of Park 5 feet. . . . .	29
South street, southwest corner of Acushnet avenue. . . . .	57
South street, southwest corner of Second. . . . .	59
South street, southwest corner of First. . . . .	59
South street, southwest corner of Water. . . . .	63

	Pressure in lbs.
South street, southwest corner of Prospect. . . . .	61
Spring street, southeast corner of Acushnet avenue. . . . .	51
Spring street, southwest corner of Seventh. . . . .	27
Spring street, southeast corner of Fifth. Flush. . . . .	42
Spruce street, west side, 347 feet north of Parker. . . . .	21
State street, southwest corner of Sycamore. . . . .	31
State street, southwest corner of Pearl. Flush. . . . .	34
Stone street, west side, 208.6 feet south of Allen. . . . .	38
Summer street, northwest corner of North. Flush. . . . .	16
Summer street, northwest corner of Hillman. Flush. . . . .	16
Summer street, southwest corner of Willis. Flush. . . . .	26
Sycamore street, southwest corner of Thomas. Flush. . . . .	30
Sycamore street, southwest corner of Summer. Flush. . . . .	24
Sycamore street, south side, west of Ash 68 feet. Flush. . . . .	22
Tallman street, southwest corner of Belleville avenue. . . . .	61
Thompson street, southeast corner of Bourne. . . . .	44
Thompson street, south side, 20 feet east of Hall. . . . .	58
Thompson street, south side, 302 feet west of Bonney. . . . .	55
Thompson street, southwest corner of County. . . . .	59
Tremont street, southwest corner of Union. . . . .	26
Tremont street, northwest corner of Maple. . . . .	29
Trinity street, south side, 145 feet west of Cedar. . . . .	19
Union street, southwest corner of Front. . . . .	63
Union street, southwest corner of Water. . . . .	57
Union street, southwest corner of First. . . . .	56
Union street, southwest corner of Second. . . . .	52
Union street, southwest corner of Acushnet avenue. . . . .	48
Union street, southwest corner of Sixth. . . . .	38
Union street, southeast corner of Emerson. . . . .	28
Union street, south side, 344 feet west of Park. . . . .	28
Viall street, west side, 368 feet south of Cove. . . . .	54
Walden street, southwest corner of Maxfield. Flush. . . . .	31
Wall street, south side, east of Acushnet avenue 165 feet. Flush. .	62
Walnut street, northwest corner of Front. . . . .	61
Walnut street, southwest corner of Second. Flush. . . . .	57
Walnut street, southwest corner of Fourth. . . . .	48

	Pressure in lbs.
Walnut street, southwest corner of Seventh. . . . .	38
Wamsutta street, south side, west of Front 200 feet. . . . .	65
Wamsutta street, south side, west of Front 372 feet. . . . .	65
Wamsutta street, south side, east of Acushnet ave. 285 feet. D'ble. . . . .	64
Ward street, southwest corner of Bay. . . . .	44
Washburn street, southeast corner of Acushnet avenue. . . . .	59
Washburn street, south side, west of North Front 228 feet. . . . .	59
Washington street, southwest corner of County. . . . .	57
Washington street, southwest corner of Crapo. . . . .	56
Washington street, south side, west of Orchard 102 feet. Flush. . . . .	50
Washington street, southeast corner of Dartmouth. Flush. . . . .	46
Water street, southwest corner of Hillman. Flush. . . . .	65
Water street, southwest corner of North. . . . .	64
Water street, west side, south of North 258 feet. Flush. . . . .	63
Water street, northwest corner of Middle. Double. . . . .	62
Water street, southwest corner of Elm. Flush. . . . .	60
Water street, west side, north of Centre 46 feet. Flush. . . . .	50
Water street, west side, north of School 22 feet. Flush. . . . .	60
Water street, northwest corner of Walnut. Flush. . . . .	61
Water street, northwest corner of City wharf. Flush. . . . .	62
Water street, northwest corner of Coffin. Flush. . . . .	64
Water street, west side, head of Pine. . . . .	67
Water street, west side, head of Leonard. . . . .	62
Water street, southwest corner of Howland. . . . .	60
Water street, northwest corner of Grinnell. . . . .	60
Water street, northwest corner of Potomska. . . . .	63
Water street, west side, 266 feet south of Potomska. . . . .	63
Water street, northwest corner of Rivet. . . . .	63
Water street, southwest corner of Blackmer. . . . .	63
Water street, northwest corner of Delano. . . . .	62
Water street, west side, head of Gifford. . . . .	62
Water street, northwest corner of Cove. . . . .	62
Weld street, southwest corner of State. . . . .	43
William street, southwest corner of Bethel. . . . .	51
William street, southwest corner of Second. . . . .	48
William street, southeast corner of Acushnet avenue. . . . .	47

	Pressure in lbs.
William street, southwest corner of Purchase. . . . .	43
William street, southwest corner of Sixth. . . . .	38
William street, southwest corner of Eighth. . . . .	37
Willis street, southwest corner of Purchase. . . . .	50
Willis street, southeast corner of Pleasant. . . . .	41
Willis street, southwest corner of State. . . . .	28
Willis street, southwest corner of County. . . . .	26
Willis street, southwest corner of Cottage. . . . .	19
Willis street, south side, west of Cedar 200 feet. Flush. . . . .	18
Willow street, southwest corner of Cottage. . . . .	15
Willow street, southeast corner of Shawmut avenue. . . . .	13
Wing street, southwest corner of Fourth. Flush. . . . .	57
Wing street, southwest corner of Sixth. . . . .	57
Winsor street, south side, west of County 455½ feet. . . . .	58
Winsor street, south side, 77½ feet east of Crapo. . . . .	60
Number of flush hydrants, . . . . .	148
Number of post hydrants, . . . . .	476
Total number of hydrants, . . . . .	624



# Summary of Statistics.

REPORT OF 1895.

IN ACCORDANCE WITH SUGGESTIONS ADOPTED  
BY THE

New England Water Works Association.

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## NEW BEDFORD WATER WORKS, BRISTOL COUNTY, MASS.

---

Population by census of 1895,

55,251

Date of construction,

1866 to 1869, inclusive.

By whom owned,

The property of the City of New Bedford.

Source of supply,

From a storing reservoir artificially formed  
by constructing a dam across the valley  
of the Acushnet river, seven miles north  
of the center of the city.

Mode of supply,

By gravitation into the city, thence pumped  
into a distributing reservoir on an elevated  
site.

### PUMPING.

1. Builders of pumping machinery,

- a. McAlpine engine, built by Quintard  
Iron Works.
- b. Worthington engine, built by Henry R.  
Worthington.
- c. High duty Worthington engine, built  
by Henry R. Worthington.

## 2. Description of coal,

*First contract :*

- a. Not applicable.
- b. Bituminous.
- c. Not applicable.
- d. Pocahontas.
- e. Price per gross ton, delivered, \$4.20.
- f. Percentage of ash, 12.
- g. Wood, price per cord, \$4.00.

*Second contract :*

- a. Anthracite.
- b. Not applicable.
- c. Pea.
- d. Not applicable.
- e. Price per gross ton, delivered, \$4.50.
- f. Percentage of ash, 16.
- g. Wood, price per cord, \$4.00.

*Third contract :*

- a. Not applicable.
- b. Bituminous.
- c. Not applicable.
- d. New River.
- e. Price per gross ton, delivered, \$4.12.
- f. Percentage of ash, 12.
- g. Wood, price per cord, \$4.00.

*Fourth contract :*

- a. Not applicable.
- b. Bituminous.
- c. Not applicable.
- d. George's Creek Cumberland.
- e. Price per gross ton, delivered, \$3.19.
- f. Percentage of ash, 8½.
- g. Wood, price per cord, \$4.00.

3. Coal consumed for the  
year, in pounds,

4.

Lbs. of wood consumed in  
pounds.

3

1,076,950

= coal,

67

McAlpine. Worthington

164,800

167

High Duty  
Worthington

1,131,250

137

	McAlpine.	Worthington.	High Duty Worthington
5. Total fuel consumed for the year (3) + (4),			
	1,077,017	164,967	1,131,387
6. Total pumpage for the year in gallons,			
	708,524,310	85,736,844	913,298,112
7. Av. static head against which pumps works,			
	125.6	125.1	125.4
8. Av. dynamic head against which pumps works,			
	134.9	126.4	127.7
9. a. Number of gallons pumped per pound of coal (3),			
	658	520	807
b. Number of gallons raised 100 feet per pound of coal for total coal (3),			
	888	657	1,031
10. Duty in foot pounds per 100 pounds of coal, using following form- ula, making no deduc- tions for starting, banking fires, heating building, or anything else.			

$$\text{Duty} = \frac{\text{Gallons pumped (6)} \times 8.34 \text{ (lbs.)} \times 100 \times \text{dynamic head (8)}}{\text{Total fuel consumed (5).}}$$

74,007,887	54,770,422	85,972,256
------------	------------	------------

COST OF PUMPING, FIGURED ON PUMPING STATION EXPENSES, VIZ. :  
\$11,825.69.

11. Per million gallons raised against average  
dynamic head (8) into reservoir,

\$6.93

1895.

WATER REPORT.

97

12. Per million gallons raised one foot high  
(dynamic),

$5\frac{30}{100}$  cents

COST OF PUMPING FIGURED ON TOTAL MAINTENANCE (see Financial  
CC.), VIZ. : \$69,895.39.

13. Per million gallons raised against average  
dynamic head (8) into reservoir,

\$40.93

14. Per million gallons raised one foot high  
(dynamic),

$31\frac{34}{100}$  cents

## FINANCIAL.

## MAINTENANCE.

RECEIPTS.		EXPENDITURES.	
<i>From Consumers:</i>		AA. Management and repairs, less interest and sinking funds,	\$34,295.39
A. Water rates, domestic,	\$79,148.69	BB. Interest on bonds,	35,600.00
B. Water rates, manufacturing,	7,001.36	{ Total maintenance for year,	
C. Net water receipts,	\$86,150.05	Bonds paid,	
D. Miscellaneous (sales, etc.),	120.00	CC. { Sinking funds,	
E. Total,	\$86,270.05	Sinking funds, further water supply,	
<i>From Public Funds:</i>		DD. Balance to construction,	8,000.00
{ General appropriations, water,			11,274.66
J. { General appropriations, debt,	13,600.00		
K. Gross receipts,	\$111,870.05	KK. Total,	\$111,870.05



## CONSTRUCTION.

RECEIPTS.		EXPENDITURES.	
R. {	Balance from previous year,	\$63,909.09	
	Balance from maintenance,	11,274.66	
s. {	Bonds issued,	00.00	
U. {	Other sources, (services, private lines, meters, etc.),	6,061.61	
V. {	Total,		

## CONSUMPTION.

1.	Estimated total population at date,	56,300
2.	Estimated population on lines of pipe at date,	47,076
3.	Estimated population supplied at date,	46,154
4.	Total number gallons consumed for year,	1,719,830,979
5.	Passed through domestic meters,	18,533,073 gallons, or 1 per cent.
6.	Passed through manufacturing meters,	251,346,482 gallons, or 15 per cent.
7.	Average daily consumption in gallons,	4,711,866
8.	Gallons per day to each inhabitant (1),	84
9.	Gallons per day for each customer (3),	102
10.	Gallons per day to each tap (distribution 22),	587

## DISTRIBUTION.

## MAINS.

1.	Kind of pipe used,	Wrought iron cement-lined, and cast iron.
2.	Size,	From 4 to 30 inches.
3.	Extended,	31,080 feet.
4.	Discontinued,	22,453 feet.
5.	Total now in use,	76 $\frac{2864}{10000}$ miles.
6.	Cost of repairs per mile,	\$13.88
7.	Number of leaks for the year,	

8.	Small distribution pipe, less than 4 inches, total length,	6,181 feet.
9.	<i>a.</i> Fire hydrants added,	17
	<i>b.</i> Watering cart connections added,	0
10.	<i>a.</i> Number of fire hydrants now in use,	624
	<i>b.</i> Number of watering-cart hydrants, now in use,	42
11.	Stop gates added,	29
12.	Number now in use,	864
13.	Small stop gates, less than 4 inches, total,	65
14.	Number of blow-off gates,	80
15.	Range of pressure at centre for day and night,	29 to 38 lbs.

## SERVICES.

16.	Kind of pipe used,	Lead and cast iron,
17.	Size,	From $\frac{1}{2}$ to 8 inches.
18.	Extended,	11,043 feet.
19.	Discontinued,	324 feet.
20.	Total now in use,	50 $\frac{16}{100}$ miles.
21.	Service taps added,	260
22.	Number now in use,	8,027
23.	Average length of service laid during past year,	42 feet.

24.	Average cost of service,		
		<i>a.</i> Gross,	\$19.49
		<i>b.</i> Net,	10.52
25.	Meters added,		33
26.	Number now in use,		
		<i>a.</i> Domestic,	196
		<i>b.</i> Manufacturing,	58
27.	Motors and elevators added,		11
28.	Number now in use,		79

IN BOARD OF ALDERMEN,

January 23, 1896.

Received, ordered printed in the City Documents and  
sent down for concurrence.

D. B. LEONARD,

City Clerk.

IN COMMON COUNCIL,

1 mo. 23, 1896.

Concurred.

WM. A. MACKIE,

Clerk.





1895.—CITY DOCUMENT No. 4.

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FORTY-FOURTH ANNUAL REPORT

OF THE.

TRUSTEES

OF THE

FREE PUBLIC LIBRARY

OF THE

CITY OF NEW BEDFORD.

MASS.



NEW BEDFORD:  
MERCURY PUBLISHING COMPANY, CITY PRINTERS.  
1896.

# Officers of the Free Public Library

FOR THE YEAR 1895.

## TRUSTEES.

*Ex officio. Terms expire January, 1897.*

DAVID L. PARKER, Mayor of the City.

ARTHUR L. BLACKMER, President of the Common Council.

SAMUEL C. HUNT, Chairman of the Committee of the City Council  
on Public Instruction.

*Elected by the City Council.*

WALTER S. ALLEN,

Term expires April, 1896.

ALEXANDER McL. GOODSPEED,

Term expires April, 1896.

ISAAC B. TOMPKINS, JR.,

Term expires April, 1897.

MATTHEW C. JULIEN,

Term expires April, 1897.

JOHN J. HOWLAND,

Term expires April, 1898.

LEMUEL LeB. HOLMES,

Term expires April, 1898.

## PRESIDENT OF THE BOARD.

### THE MAYOR.

#### CLERK.

JOHN J. HOWLAND.

#### COMMITTEES.

On the Library — Messrs. JULIEN, HOLMES, and ALLEN.

On Finance — Messrs. ALLEN, TOMPKINS, and GOODSPEED.

On the Building — Messrs. TOMPKINS, HOWLAND, and BLACKMER.

#### LIBRARIAN.

ROBERT C. INGRAHAM.

#### ASSISTANT LIBRARIAN.

B. W. PENNOCK.

#### ASSISTANTS.

JOSEPHINE A. MERRICK,

MARY E. BROWN,

SUSIE H. GAMMONS.

#### PAGES.

CLEMENT L. YAEGER,

FRED JASON.

#### JANITOR.

YORICK W. AMES.

## REPORT.

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*The Board of Trustees respectfully presents its forty-fourth annual report to the City Council.*

The year has seen many changes in the library but it may be safely stated that progress has been made and that the library is in a condition as prosperous as can be expected in the present quarters.

Early in the year the death of Leonard B. Ellis, a trustee for many years, removed from the Board one who always showed great interest in the library, and one who during his term of service did much good work in promoting its welfare.

The resignation of our assistant librarian, Mr. W. L. R. Gifford, referred to in our last report, took effect on March first and the Trustees secured as his successor Mr. B. W. Pennock, a graduate of Amherst College and of its Library school. Mr. Pennock has now been nine months in our employ and has shown such an interest in the library and such an intelligent comprehension of its needs that the Trustees consider themselves fortunate in obtaining his services.

Much progress has been made in the work of preparing a subject catalogue, but much remains to be done. The magnitude of this work is practically unknown to the public and it may be well to state that each book requires for its cataloguing on an average nearly five cards. This means for each year's accessions about ten thousand cards,

and to complete the work will require about three hundred and fifty thousand cards. Since September the library has had the services of Miss E. L. Jones as a trained worker in this line and Miss A. M. D'Wolf, already a member of the library staff, has been employed in this department the greater part of her time. The Trustees intend, if sufficient money be available, to put Miss D'Wolf permanently in this department, and to employ her whole time on the catalogue work.

One case containing about 25,000 cards has already been placed outside and a second case is now being filled. About 8000 per month are being made and during the coming year a third, and possibly a fourth case will be filled and placed at the service of readers.

Some changes have been made in the disposal of the periodicals, and by placing racks in the reading room the tables have been in a large degree relieved from the unsightly mass formerly there. During the entire year several copies of the more popular magazines have been subscribed for and these have been put in circulation, allowing them to be kept only seven days. This seems to be successful and in future more may be done in this direction. In a case placed in the reading room, the new accessions are placed so that readers may freely look them over.

The list of weekly accessions to the library is published in the daily papers, and in this way the public is informed as to the new books earlier than was the case when no publication was made except in the monthly bulletins. These bulletins have been continued through the year and in future will be published in the same form, but so extended as to include in each issue a compact bibliography of some question of the day, this list being confined to such books and articles as may be contained in the library. It is hoped that this can be made a popular and useful addition to the bulletins.



During the year a catalogue of the fiction in the library has been prepared under the direction of the assistant librarian and the printing has recently been completed. This catalogue includes all of the fiction in the library up to August 1, and since that date the new accessions have been included in the general card catalogue. One thousand copies of this catalogue were printed and placed on sale at the nominal price of twenty-five cents each, much less than the actual cost. It is proposed that the receipts from the sale of this catalogue shall be applied towards the completion of the general card catalogue.

The use of the library has increased to such an extent that more help has been needed, and this the Trustees have met by procuring two boys to serve as pages. Owing to the confusion incidental to re-arranging the books so that they may conform to the requirements of the subject catalogue, and the small space within which the work must be done, a large amount of moving is necessary, the same book often being moved several times. In this state of affairs the services of the pages, whose duty consists in taking down and putting back the books, have been of great value.

The Trustees must again urge upon the City Council the imperative need of an entirely new building if the library is to do the work which it ought to do, and which it could do in proper quarters. The present building, never properly constructed for library purposes, has, with the growth of the collection become totally inadequate to the proper housing of the books, and still more unsuitable to the needs of a working library. With the aid of the addition made a few years ago, we have the semblance of a reading room and the nucleus of a reference library. There is no place for newspaper readers except in front of the delivery desk, where they must be constantly disturbed

by the going and coming of those taking out or returning books. The space at the three tables is, especially in the evening, so taken up by magazine readers, and so noisy from the moving of those looking for other periodicals, that opportunity for serious study can scarcely be found. If any one is engaged in looking up some special subject requiring the use of several books at once, there is literally no place where the student can spread out his books.

The reference library is totally inadequate to the size and importance of the library and if the Trustees could find any place in the present building where more books could be placed for a proper reference library, the number so set out would be increased many fold.

A modern working library needs, besides the stacks for the storage of books, a number of rooms for special purposes and the larger the library the greater number of rooms needed. In addition to the book stacks, delivery room, and rooms for the librarian and cataloguers, there should be separate rooms for magazine readers, newspaper readers and special students, in addition to a spacious room for a reference library of from 3000 to 4000 volumes.

As we have repeatedly urged, we again ask this City Council to take the first steps towards procuring a building worthy of the city, and one of which we could speak with as much pride as Bostonians now do of their new building. Proper sites for such a building are being rapidly taken up and we would respectfully urge that the City Council take the preliminary steps towards acquiring a site. No particular situation is advocated by the Trustees, but they would suggest that the proper position should be near the centre of the city and, if possible, not very far from the present site.

Intimately connected with the question of a new library building is the question of allowing the public access to

the stacks. While there is absolute unanimity among the Trustees regarding the desirability of such freedom of access, there is a division in opinion regarding the feasibility of such a move in the present quarters, and the question is now in the hands of a special committee of the Board with instructions to see if any practicable plan can be devised which will allow of this.

Another method of extending the use of the library which is also under consideration is the question of allowing the taking of two books at a time on one card, limiting the fiction, however, to one volume at a time.

To do much more in the way of increasing the usefulness of the library calls for more money, and, as will be seen by the report of the Finance Committee submitted herewith, more money is needed to even keep up to the scale on which the present work is laid out.

The Board of Trustees therefore respectfully makes the following requests of the City Council.

That the City Council take the first steps toward acquiring a site for a library building, and

That an appropriation of \$9,850 be made for the current expenses of the year 1896.

Respectfully submitted,  
DAVID L. PARKER,  
ARTHUR L. BLACKMER,  
SAMUEL C. HUNT, Ex-officio,

W. S. ALLEN,  
A. M. GOODSPEED,  
L. LeB. HOLMES,  
J. J. HOWLAND,  
M. C. JULIEN,  
I. B. TOMPKINS, JR., Trustees.

The Committee on Finance of the Board of Trustees respectfully submits the following report:

The total expenditures of the library during the year ending January 7, 1896 amount to \$13,999.20, distributed as follows:

Salaries and wages,	\$7,310.99
Purchase of books,	2,892.07
Subscriptions to periodicals,	711.39
Binding of books and periodicals,	847.36
Newspapers,	174.85
Covers for periodicals in reading room,	106.00
Printing,	239.38
Furniture,	145.42
Catalogue expenses,	906.44
Printing and binding fiction catalogue,	642.00
Sundries,	23.30
	<hr/>
	\$13,999.20

These expenses were met by income from the following sources:

City appropriation,	\$7,200.00
Dog fund, by statute,	909.07
Income from trust funds,	3,726.00
Special appropriations for cataloguing (1895),	1,386.27
Balance appropriation of 1893,	96.33
From accumulated income of trust funds,	681.53
	<hr/>
	\$13,999.20

On December 31, 1895, the balance standing to the credit of the various funds were as follows:

Sylvia Ann Howland fund,	\$12.83
George Howland, Jr. fund,	290.03
Charles W. Morgan fund,	113.29
James B. Congdon fund,	241.72
Oliver Crocker fund,	2.17
George O. Crocker fund,	151.90
Charles L. Wood fund,	16.21
Dog fund,	311.87
	<hr/>
	\$1,140.02

There remains also of the special appropriation for catalogue work \$413.73, making the total amount in the control of the Trustees \$1,553.75.

Of this amount the balances to the credit of the first four of these accounts, and the catalogue account, amounting together to \$1,071.60 are restricted in their use so that only the small balance of \$482.15 is available for the general purposes of the library.

On December 31, the city auditor enters on his books to the credit of the Trustees, the half-yearly income of the various funds, so that at the beginning of business on January 1, 1896, the amount at the credit of the various funds stands as follows :

Sylvia Ann Howland,	\$1512.83
George Howland, Jr.,	338.03
Charles W. Morgan,	143.29
James B. Congdon,	256.72
Oliver Crocker,	32.17
George O. Crocker,	351.90
Charles L. Wood,	56.21
Dog fund,	311.87
	<hr/>
	\$3,003.02

And on June 30 there will be added as interest for half-year,	1863.00
---	---------

And in January there will be received from the dog fund as paid over by the County Treasurer, say	1,200.
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Making the total available resources,	\$6,066.02
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To this amount should be added the balance for catalogue work,	413.73
--	--------

Making a total of	<hr/> \$6,479.75
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Your committee would respectfully submit to the Board the following estimates as the amount needed for the current year :

For books,	\$3,500.00
Periodicals,	800.00
Binding,	600.00
Newspapers,	175.00
Printing,	275.00
Furniture,	150.00
Sundries,	150.00
Catalogue Expenses,	1,850.00
Salaries and wages,	7,675.00
	<hr/>
	\$15,175.00



The income for the year from the trust funds and dog fund will amount to \$4,926.00, and the balance to the credit of the catalogue account being \$413.73, there will be needed as an appropriation the sum of \$9835.

This estimate makes no provision for the extension of the activities of the library in any of the various directions recently suggested, but is based on the following reasons, taking up each item in detail.

Purchase of books, \$3500. This is an increase over last year's expenditure of \$607.93. This is asked because the demand for new books is such that each year the number bought must be increased. The great majority of the books bought for the library are bought either at the request of readers, or in order to maintain our supply of books relating to certain lines of thought up with the times, and in order to do this more money must be spent each year.

Periodicals, \$800.00. An increase over last year's expenditure of \$188.61. This is asked to enable the library to buy more of those periodicals which are indexed in Poole's Index, and also to allow the purchase of back volumes of those of which the library still has incomplete sets.

Binding, \$600.00 A reduction from the expenditure of last year of \$247.36. This reduction is due to the fact that the library was behind in binding and rebinding books, but since these arrears have been cleared up we are satisfied that the above amount will be sufficient.

Newspapers, \$175.00, and furniture, \$150.00, are the same as last year's expenditures within \$4.73, and the amount seems sufficient.

Printing, \$275.00, an increase of \$35.62. As it is proposed to include in the monthly bulletin special bibliographies of topics of the day, the expense of printing these will be increased. The cost of the monthly bulletins is by far the larger portion of this item and any increase in their size must inevitably increase this item.

Cataloguing expenses, \$1850.00. This is an increase from last year's expenditure of \$943.56, and is asked to continue the rapid work on the card catalogue.

Since September, we have had a regular cataloguer employed and one of the supernumary assistants has also been employed the greater part of her time in writing out cards on the typewriter. The pay of this latter has been by the hour for the time employed, but the condition of the work is now such that she should be constantly employed on this work, and ought to be placed on the regular salary list at \$40 per month. To pay the salary of these two employees at \$65 and \$40 per

month respectively, requires \$1260. To purchase two more cases for cards which will be required before the end of the year will require \$250.00, and for supplies and repairs to the typewriter there will remain only \$340.00, or less than \$30 per month.

Salaries, \$8,000.00. This is an increase of \$364.01 over last year. This allows for the payment of a second page at the rate of \$16 a month and an increase in the salary of the assistant librarian of \$150.00 a year.

The salaries and wages paid are as follows: librarian, \$2250.00; assistant librarian, \$1,650.00 per year. Three regular assistants paid for the time they are employed, and averaging about \$300.00 each year, one page at \$20 per month and one at \$16, and a janitor at \$50 per month. To these must be added the expense of the Sunday opening, calling for the services of one assistant and the janitor, and during the winter months the janitor of the building must also be employed.

Your committee would therefore suggest that for the reasons given above, the Trustees should apply to the City Council for an appropriation of \$9,850 for the maintenance of the library for the current year.

Respectfully submitted,

WALTER S. ALLEN,  
A. McL. GOODSPEED,  
I. B. TOMPKINS, JR.,

Finance Committee.

## APPENDIX.

## GENERAL STATISTICS FOR 1895.

Books and pamphlets purchased,	1,938
Volumes donated,	488
Phamphlets donated,	858
Volumes added to the library by binding periodicals,	304
Total additions in volumes,	2,730
Volumes worn out and rejected,	268
Net increase of the library in volumes,	2,462
Volumes bound,	333
Volumes rebound and repaired,	1,265
New cards issued,	1,161
Newspapers now on file in the reading room,	22
Periodicals in the reading room,	204
Books taken from the library in 1895,	108,128
Increase of circulation over that of 1894,	3,537

Attendance at the library on Sundays during 1895. The largest attendance was 87, December 8; the smallest was 8, June 2; total attendance for 44 Sundays, 2,022; average attendance 46, an increase of 5 over the average for 1894.

The library was closed on Sunday during July and August.

Jan.	6.	38
	13.	68
	20.	50
	27.	45
Feb.	3.	63
	10.	52
	17.	44
	24.	57
Mar.	3.	55
	10.	53
	17.	75
	24.	65
	31.	39
Apr.	7.	56
	14.	46
	21.	39
	28.	55

May	5.	40
	12.	36
	19.	45
	26.	43
June	2.	8
	9.	22
	16.	20
	23.	28
	30.	25
Sept.	1.	14
	8.	26
	15.	39
	22.	16
	29.	27
Oct.	6.	30
	13.	34
	20.	44
	27.	44
Nov.	3.	46
	10.	65
	17.	46
	24.	58
Dec.	1.	74
	8.	87
	15.	37
	22.	84
	29.	85

# FINANCIAL STATEMENT OF THE FREE PUBLIC LIBRARY FOR 1895.

## STATEMENT OF THE LIBRARIAN.

1895.			
Jan. 1.	Cash on hand,	\$60.02	
	Telephone,	.25	
	Books lost or damaged,	.85	
	Fines during 1895,	248.93	\$310.05
	Paid for expressage, freight and jobbing,	30.07	
	P. O. box and postage,	22.18	
	Books and papers,	3.60	
	Binding and paper cutting,	3.52	
	Stationery,	66.01	
	Incidentals,	97.26	
1896. Jan. 1.	Balance in hands of librarian,	87.41	\$310.05

## FREE PUBLIC LIBRARY ACCOUNT.

1895.			
	City appropriation,	\$7,200.00	
	Transfer from unappropriated funds,	74.40	\$7,240.40
	Expenditures :		
	Salaries and wages,	\$7,223.74	
	Catalogue supplies,	46.66	
	Printing,	4.00	\$7,274.40
	Paid as follows :		
	Salaries and wages :		
	R. C. Ingraham,	\$2,250.00	
	W. L. R. Gifford,	333.32	
	B. W. Pennock,	1,110.57	
	J. A. Merrick,	540.00	
	M. E. Brown,	540.00	
	S. H. Gammons,	540.00	
	Y. W. Ames,	709.53	
	E. J. Merrick,	206.00	
	A. M. D'Wolf,	296.14	
	F. E. Farwell,	274.20	
	E. F. Lawrence,	94.77	



D. J. McAuliffe,	\$62.00	
C. L. Yaeger,	208.49	
Oscar Kelleher,	35.05	
C. C. Russell,	23.67	
Sundries :		
E. Anthony & Sons,	4.00	
Library Bureau,	43.66	
R. W. Taber,	3.00	\$7,274.40

## SYLVIA ANN HOWLAND FREE PUBLIC LIBRARY FUND.

Income,	\$3,000.00	
Sundry amounts refunded,	32.92	\$3,032.92
Expenditures :		
Books,	\$2,045.70	
Periodicals,	729.81	
Binding,	228.58	
Newspapers,	16.00	
Balance,	12.83	\$3,032.92

The detailed statement of the expenditures from the income of this fund is as follows :

American Architect,	\$25.00
American Journal Philology,	3.00
E. Anthony & Sons,	6.00
D. Appleton & Co.,	42.00
Bancroft Whitney Co.,	20.00
N. J. Bartlett & Co.,	37.55
Boston History Co.,	15.00
Z. W. Briggs,	2.50
Cassier Magazine Co.,	10.00
T. H. Castor & Co.,	56.32
Cedric Chivers,	44.44
Essex Institute,	3.00
Everts & Richards,	15.00
S. S. Foster,	3.00
W. A. Greenough & Co.,	2.00
W. H. Guild & Co.,	29.01
F. P. Harper,	9.00
Houghton, Mifflin & Co.,	50.00
H. S. Hutchinson & Co.,	973.73
H. G. Johnson,	2.95
Mary G. Kent,	2.50
E. T. Kirshbaum,	1.00
Library Bureau,	2.00
Little, Brown & Co.,	73.43

G. E. Littlefield,	\$84.98	
W. H. Lowdermilk & Co.,	1.76	
A. S. Marble,	3.00	
Massachusetts Historical Society,	3.00	
Joseph McDonough,	1.46	
S. E. Miller,	16.00	
New York Tribune Association,	10.00	
Publisher's Weekly,	15.50	
S. S. Rider,	6.75	
Henry H. Sampson,	651.30	
Sampson, Murdock & Co.,	2.00	
A. S. Smith,	10.50	
R. W. Taber,	781.11	
University of Pennsylvania Press,	2.00	
Woman's Journal,	2.50	
Balance,	12.83	\$3,032.92

## GEORGE HOWLAND, JR., FUND.

Unexpended balance of income,	\$360.53	
Income,	96.00	\$456.53
Expenditures :		
Books,	\$164.00	
Binding,	42.50	
Balance,	290.03	\$456.53
Paid as follows :		
D. Appleton & Co.,	\$50.00	
N. J. Bartlett & Co.,	20.00	
H. S. Hutchinson & Co.,	23.00	
H. S. Inman,	35.00	
Little, Brown & Co.,	6.75	
R. W. Taber,	31.75	\$166.50

## CHARLES W. MORGAN FUND.

Unexpended balance of income,	\$64.54	
Income,	60.00	\$124.54
Expenditures :		
Periodicals,	\$10.00	
Books,	1.25	
Balance December 31, 1895,	113.29	\$124.54
Paid as follows :		
Academy of Natural Science,	\$5.00	
Academy of Political and Social science,	5.00	
Little, Brown & Co.,	1.25	\$11.25

## JAMES B. CONGDON FUND.

Balance December 31,	\$372.07	
Income,	30.00	\$402.07

Expenditures :		
Books,	\$160.35	
Paid as follows :		
American Antiquarian Society,	\$2.00	
D. Appleton & Co.,	35.00	
T. H. Castor & Co.,	9.75	
S. G. Gidley,	10.00	
H. S. Hutchinson & Co.,	7.50	
G. E. Littlefield,	53.55	
Little, Brown & Co.,	27.55	
S. E. Miller,	15.00	
	\$160.35	
Balance,	241.72	\$402.07

## OLIVER CROCKER FUND.

Balance,	\$257.90	
Income,	60.00	\$317.90
Expenditures :		
Books,	\$310.23	
Periodicals,	5.50	
Balance,	2.17	\$317.90
Paid as follows :		
Bancroft, Whitney Co.,	\$4.00	
Brookline Historical Society,	1.00	
T. H. Castor & Co.,	2.40	
Egypt Exploration Fund,	15.00	
W. H. Guild & Co.,	5.50	
H. S. Hutchinson & Co.,	120.35	
Library Bureau,	2.00	
George E. Littlefield,	34.20	
Little, Brown & Co.,	6.00	
S. R. Roberts, Treasurer,	30.00	
R. W. Taber,	95.28	\$315.73

## GEORGE O. CROCKER FUND.

Balance December 31, 1895,	\$254.98	
Income,	400.00	\$654.98
Expenditure :		
Books,	\$57.90	
Binding,	445.18	\$503.08
Balance,	151.90	\$654.98
Paid as follows :		
Bancroft, Whitney Co.,	\$4.00	
N. J. Bartlett & Co.,	3.10	
T. H. Castor & Co.,	2.06	

W. H. Collins & Co.,	\$12.60	
H. S. Hutchinson & Co.,	463.15	
Little, Brown & Co.,	3.38	
S. E. Miller,	7.50	
R. W. Taber,	7.29	\$503.08

## CHARLES L. WOOD FUND.

Balance December 31, 1894.	\$120.00	
Income,	80.00	\$200.00
Expenditures :		
Furniture,	\$31.15	
Books,	152.64	\$183.79
Balance,	16.21	\$200.00
Paid as follows :		
Headley & Reed,	\$10.00	
H. S. Hutchinson & Co.,	33.88	
Little, Brown & Co.,	25.20	
Pierce & Bushnell Mfg. Co.,	5.00	
Abraham Taber,	16.15	
R. W. Taber,	93.56	\$183.79

## DOG FUND.

Balance December 31, 1894,	\$26	
Amount from County Treasurer,	1,220.94	
Amount refunded on duplicate bill,	6.00	\$1,227.20
Expenditures :		
Binders for periodicals,	106.00	
Newspapers,	158.85	
Printing,	235.38	
Binding,	171.10	
Furniture,	114.27	
Salaries and wages,	87.25	
Supplies, catalogue,	19.18	
Sundries,	23.30	\$915.33
Balance to new account,	311.87	
Almy & Milne,	\$6.00	\$1,227.20
Paid as follows :		
R. M. Ames,	9.00	
Y. W. Ames,	8.00	
E. Anthony & Sons,	215.84	
F. Appollos Bradley,	52.50	
G. L. Briggs,	50.85	
Briggs & Lawrence,	47.91	
F. S. Brightman,	28.65	
S. S. Broadbent,	8.00	
Charlestown News and Courier,	10.00	

Chicago Inter-Ocean,	\$6.00	
W. H. Collins & Co.,	166.10	
A. M. D'Wolf,	10.00	
Evening Journal Co.,	20.44	
F. E. Farwell,	20.25	
H. S. Hutchinson & Co.,	29.45	
Library Bureau,	51.18	
Mercury Publishing Co.,	13.50	
E. J. Merrick,	16.00	
Wilson Mfg. Co.,	53.50	
New York Commercial Advertiser,	6.00	
New York Herald,	8.00	
New York Tribune,	8.00	
Nicholson & Co.,	12.00	
Pierce & Bushnell Mfg. Co.,	5.00	
G. R. Phillips,	3.00	
Providence Journal,	8.00	
A. P. Pope,	9.23	
G. D. Richards,	4.13	
R. W. Taber,	6.05	
Taunton Gazette,	6.00	
C. D. Waldron,	1.00	
C. L. Yaeger,	16.00	\$915.33

## CATALOGUE ACCOUNT.

Balance December 31, 1894,	\$96.33	
Special appropriation,	1,000.00	
Special appropriation,	800.00	\$1,896.33
Expenditures:		
Catalogue salaries,	\$347.67	
Catalogue cases,	260.00	
Catalogue supplies,	96.93	
Fiction Catalogue:		
Printing,	551.20	
Binding,	90.80	\$642.00
Typewriter and repairs,	136.00	\$1,482.60
Paid as follows:		
E. Anthony & Sons,	\$589.20	
W. H. Collins & Co.,	52.80	
E. L. Jones,	251.34	
Library Bureau,	349.43	
C. C. Russell,	96.33	
R. W. Taber,	143.50	\$1,482.60



## GIFTS, 1895.

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	Volumes.	Pamphlets.
Aguilar Free Library Society, New York, . . . . .		3
American Antiquarian Society, Worcester, Mass., . . . . .		1
American Congregational Association, Boston, . . . . .		1
American Forestry Association, . . . . .		2
American Radiator Co., Boston, . . . . .	1	
Angell, George T., . . . . .		1
Apprentice's Library Co., Philadelphia, Pa., . . . . .		2
Astor Library, New York, . . . . .		1
Balch, Edwin Swift, Philadelphia, Pa., . . . . .	1	
Bancroft-Whitney Co., San Francisco, Cal., . . . . .	1	
Benton, J. H. Jr., Boston, . . . . .		1
Birtwell, Charles W., Boston, . . . . .	1	
Blackburn Free Library, . . . . .	1	
Blount College and the University of Tennessee, . . . . .		1
Board of Gas and Electric Light Commissioners, . . . . .	1	
Boston City Registry Department, . . . . .	1	
Boston Institute of Technology, . . . . .		1
Boston Public Library, . . . . .		1
Bradlee, Rev. C. D., Boston, . . . . .		1
Brookline Library, Brookline, . . . . .		6
Brooklyn Library, . . . . .		1
Brooklyn Union for Christian Work, . . . . .	1	1
Brown University, . . . . .		1
Brownell, T. Frank, . . . . .		3
Buffalo Historical Society, . . . . .		2
Buffalo Library, . . . . .		1
Bunker Hill Monument Association, . . . . .	1	
Bureau of Labor Statistics, Springfield, Ill., . . . . .	1	
Butler Hospital for the Insane, Providence, R. I., . . . . .		1
Butler, William M., . . . . .	1	
Cadbury, Richard, Drexel Building, Phila., Pa., . . . . .		1
Cambridge City Government, . . . . .		1

	Volumes.	Pamphlets.
Cambridge Public Library, . . . . .		1
Chicago Public Library, . . . . .		1
Cincinnati Public Library, Cincinnati, Ohio, . . . . .		5
City of New Bedford, . . . . .	81	24
City Register Department, Boston, . . . . .	1	
Civic Federation, 215 First National Bank Building, Chicago, . . . . .	1	
Civil Service Reform Association, N. Y., . . . . .	1	
Clarke Institution for Deaf Mutes, Northampton, . . . . .		1
Cleveland Public Library, Cleveland, Ohio, . . . . .	1	
Cobden Club, . . . . .	2	
Colby University, Waterville, Me., . . . . .		1
Commissioners of Patents, Washington, D. C., . . . . .	1	
Commonwealth of Massachusetts, . . . . .	48	
Cook, William S., . . . . .	1	
Cope, E. D., and others, Conn., . . . . .	1	
Council of the Harvard Law School Association, . . . . .	2	
Dayton (O.) Public Library, Ohio, . . . . .		1
Dennison Manufacturing Co., Boston, . . . . .	1	
Des Moines Public Library, . . . . .		3
Detroit Public Library, Detroit, Mich., . . . . .		1
Duffield, W. W. (Supt.), Washington, . . . . .	1	
Eddy, George M., New Bedford, . . . . .	1	
Egypt Exploration fund, Boston, . . . . .	1	1
Emery, William M., . . . . .	15	1
Enoch Pratt Free Library, Baltimore, Md., . . . . .		1
Essex Institute, . . . . .	1	
Essex Town Officers, . . . . .		1
Fall River Public Library, . . . . .		1
Field Columbian Museum, Chicago, Ill., . . . . .		4
Fitz Public Library, Chelsea, . . . . .		1
Fletcher Free Library, Burlington, Vt., . . . . .		1
Friends Free Library, Germantown, Pa., . . . . .		1
Furst Bros., Jersey City, N. J., . . . . .		2
General Society of Mechanics and Tradesmen of the City of New York, . . . . .		1
Gifford, Charles H., . . . . .	1	
Gifford, Wm. L. R., Cambridge, Mass., . . . . .	10	2
Good Government Club "E", New York, . . . . .	1	1
Govt. of United States, Smithsonian Institution, . . . . .	3	4
Govt. of United States, . . . . .	20 vol. in sheep.	
Green, Andrew H., . . . . .	1	
Green, Samuel A., M. D., Boston, . . . . .	4	83
Griswold, W. M., 25 Craigie st., Cambridge, . . . . .		1

	Volumes.	Pamphlets.
Hamilton, Morris R., Trenton, N. J., . . . . .	3	
Hartford Public Library, . . . . .	1	4
Harvard University Library, . . . . .		2
Hearn, Geo. A., . . . . .	1	
Helena (Montana) Public Library, . . . . .		1
Hopedale Public Library, Hopedale, Mass., . . . .		1
Hopkins, Frederick S., Boston, . . . . .		1
Hubbard, Elbert, New Rochelle, N. Y., . . . . .		1
Huling, Ray Green, Cambridge, Mass., . . . . .		1
Hutchinson, H. S., & Co., . . . . .	2	
Indian Rights Association, . . . . .	1	1
Institute International de Bibliographie, . . . . .		1
Interstate Commerce Commission, Washington, . .	1	
Jersey City Free Public Library, . . . . .	1	7
Johnston, Wm. J., . . . . .	1	
Julien, Matthew C., . . . . .	1	
Knowlton, Hosea M., . . . . .	1	
Lancaster Town Library, . . . . .		1
Lawrence Public Library, . . . . .		4
Lawton, William C., 3737 Locust street, Philadel- phia, Pa. . . . .		1
Leffingwell, Dr. Albert, 62 Kirkland st., Cambridge,		4
Lenox Library, . . . . .		1
Lenton Local Board Public Library, . . . . .		1
Leonard, Miss E., . . . . .	1	
Library Co., Philadelphia, Pa., . . . . .		2
Los Angeles (Cal.) Public Library, . . . . .		1
Lynn Public Library, . . . . .		1
Maguire, J. G., . . . . .		1
Malden Public Library, . . . . .		9
Maimonides Free Library, New York, . . . . .		1
Maine Association, Rockland, Me., . . . . .		2
Massachusetts Civil Service Commissioners, Boston,		1
Massachusetts Society for Promoting Agriculture, 53 State st., Boston, . . . . .	1	
Mercantile Library Association, New York, . . .		1
Mercantile Library Co., Boston, . . . . .		1
Meserve, Charles F., Raleigh, N. C., . . . . .		1
Miles & Thompson, Boston, 13 West st., . . . . .		1
Milwaukee Public Library, . . . . .		1
Minneapolis Public Library, . . . . .	1	4
Monroe, Fred S., New Bedford, . . . . .	1	
Moore, H. O. Assistant Adjutant General, Mass., .	1	
Mount Holyoke College, South Hadley, Mass., . .	2	

## Volumes. Pamphlets.

National Civil Service Reform League, Washington, D. C., . . . . .		1
Newark Free Public Library, . . . . .		1
New Bedford Choral Association, . . . . .		1
Newberry Library, Chicago, . . . . .	2	
Newberry Library, Springfield, Ill., . . . . .		1
New England Historic Genealogical Society, . . .		1
New England Water Works Association, New Lon- don, Conn., . . . . .	2	
Newton Free Library, . . . . .		1
New York Farmers, New York, N. Y., . . . . .		2
New York Genealogical and Biographical Society, New York State Library, Albany, N. Y., . . . . .	1	2
Northampton Lunatic Hospital, . . . . .		1
Ohio State Fair and Industrial Exposition, Colum- bus, Ohio., . . . . .		1
Orme, R. M., Savannah, Ga., . . . . .		1
Orser, Levi, . . . . .		1
Paisler, Charles S., New Bedford, . . . . .	1	
Paterson Free Public Library, Paterson, N. J. . .		1
Peabody Free Public Library, Danvers, Mass., . .	1	1
Peabody Institute, Baltimore, Md., . . . . .		2
Pennock, Benj. W., . . . . .	5	
Pennsylvania College of Dental Surgery, Philadel- phia, Penn., . . . . .	1	
Peoria Public Library, Peoria, Illinois, . . . . .		1
Perkins Institution for the Blind, . . . . .		1
Pettis, Olive G., Boston, Mass., . . . . .	1	
Pierce Steam Heating Co., Buffalo, N. Y., . . . .	1	
Pierson, F. R., Co., Tarrytown-on-the Hudson, N. Y.,		1
Portland Board of Trade, Portland, Me., . . . .		1
Portland, Oregon, Library Association, . . . . .		1
Providence Public Library, Providence, R. I., . .		3
Providence Record Commissioners, Providence, R. I.,	3	
Redwood Library and Athenaeum, Newport, R. I.,		1
Rodman, Thomas R., . . . . .	22	
Rosse, Irving C., M. D., . . . . .		2
Rowell, Joseph C., Berkley, Cal., . . . . .	1	
St. Louis Mercantile Library Association, . . . .	1	
St. Louis Public Library, . . . . .	1	1
Salem Public Library, . . . . .	1	1
San Francisco Free Public Library, San Francisco, Cal., . . . . .		11
San Francisco Mercantile Library Association, . .		1

	Volumes.	Pamphlets.
Sawyer, Stephen P., . . . . .		1
Silas Bronson Library, . . . . .	1	
Skiff, Fred'k J. V., Chicago, Ill., . . . . .		1
Society of Naval Architects and Marine Engineers,		1
Society for the Preservation of the Monuments of		
Ancient Egypt, . . . . .		1
Somerville Public Library, . . . . .		1
Smithsonian Institution, Washington, D. C., . . .	1	9
Springfield City Library, Springfield, Mass., . . .	1	12
State Executive Committee of Y. M. C. A., Boston,		1
State of Ohio, Department of Agriculture, . . . . .		2
Sturgis, Thomas, 45 Broadway, New York, . . . . .	1	
Royal Society of Canada, . . . . .	1	
Superintendent of Documents, Washington, D. C., .		1
Tabor Academy, Marion, Mass., . . . . .		1
Taunton Public Library, . . . . .		1
Tennessee University, Knoxville, Tenn., . . . . .		3
Tillinghast, Wm. H., . . . . .		1
Tompkins, Isaac B., Jr., . . . . .	2	
Trustees of Public Reservations, . . . . .		2
Tulane University of Louisiana, New Orleans, La., .	1	
United States:		
— Department of Agriculture, . . . . .	33	114
— Bureau of Education, . . . . .	1	2
— Coast and Geodetic Survey, . . . . .		3
— Interior Department, . . . . .	107	11
— Patent Office, . . . . .	10	
— Treasury Department, . . . . .	18	2
— War Department, . . . . .	9	
— Weather Bureau, . . . . .		1
— Government, . . . . .	45	
University of Nebraska, Lincoln, Nebraska, . . . . .	1	3
University of Pennsylvania, . . . . .	1	
University of Vermont, Burlington, Vt., . . . . .		1
Utica Public Library, Utica, N. Y., . . . . .		1
Valentine, W. W., Richmond, Va., . . . . .	2	
Waltham Public Library, Waltham, Mass., . . . . .		2
Warren County Library, Monmouth, Illinois, . . . .		3
Warren County Library and Reading Room Associ-		
ation, Monmouth, Ill., . . . . .		2
Watertown Free Public Library, . . . . .		1
Werner Company, Publishers, . . . . .		1
Winchester Home Corporation, Boston, Mass., . . .	1	
Winslow, George F., United States Navy, . . . . .		1



	Volumes.	Pamphlets.
Woburn Public Library, . . . . .		1
Worcester Free Public Library, . . . . .		1
Worth, Benjamin, New Bedford, Mass., . . . . .	11	1
Wright, Stephen M., 18 East 16th St., N. Y., . . . . .	1	
Yale University, New Haven, Conn., . . . . .	1	2
Young Men's Christian Association, Boston, Mass., . . . . .	1	

IN BOARD OF ALDERMEN,

February 13, 1896.

Received and ordered printed in the City Documents  
and sent down for concurrence.

Wm. S. COOK,

Asst. City Clerk.

IN COMMON COUNCIL,

2 mo. 13, 1896.

Concurred.

WM. A. MACKIE,

Clerk.





1896—CITY DOCUMENT No. 5.

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ANNUAL REPORT  
OF THE  
CHIEF ENGINEER  
OF THE  
FIRE DEPARTMENT  
OF THE CITY OF NEW BEDFORD,



FOR THE YEAR ENDING DECEMBER 31, 1895.

---

FREDERICK MACY, Chief Engineer.

NEW BEDFORD:  
MERCURY PUBLISHING COMPANY, CITY PRINTERS.  
1896.





COMMITTEE OF THE CITY COUNCIL  
ON  
FIRE DEPARTMENT,  
1895.

*Aldermen,*

J. ARTHUR TAYLOR,

*Residence, 11 Ash Street.*

JOHN H. BARROWS,

*Residence, 64 Thomas Street.*

---

*Councilmen,*

ROBERT S. LAWTON,

*Residence, 65 Maxfield Street.*

MORTIMER McCARTHY,

*Residence, Clark and State Streets.*

HARRY B. WOOD,

*Residence, 67 Fifth Street.*

# ENGINEER'S DEPARTMENT.

---

*Chief Engineer,*

FREDERICK MACY,

*Residence, 234 Acushnet Avenue.*

---

*First Assistant Engineer,*

LORING T. PARLOW,

*Residence, High Street.*

---

*Second Assistant Engineer,*

JAMES J. DONAGHY,

*Residence, 83 Washington Street.*

---

*Third Assistant Engineer,*

SAMUEL C. FRANCE,

*Residence, 152 Mt. Pleasant Street.*

---

*Fourth Assistant Engineer,*

GEORGE M. CRAPO,

*Residence, Corner Elm and North Second Streets.*

---

*Clerk of Board of Engineers,*

LUTHER G. HEWINS, JR.,

*Residence, 762 County Street.*

---

*Master Mechanic,*

DANIEL D. BRIGGS,

*Residence, 43 Bedford Street.*

---

*Department Engineer,*

GEORGE H. PARKER,

*Residence, Parker Street.*

---

*Department Drivers,*

CHARLES A. HASKINS,

*Residence, 256 Kempton Street.*

---

FRANK LEWIS,

*Residence, 208 Kempton Street.*

---

*Department Lineman,*

WILLIAM CURTISS,

*Residence, 88 Sixth Street.*

# REPORT.

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HEADQUARTERS FIRE DEPARTMENT,  
CITY HALL, NEW BEDFORD,  
December 31, 1895.

GENTLEMEN :—In compliance with the requirements of the city ordinance governing the Fire Department of the city, I herewith submit to you my nineteenth annual Report of the condition and work performed by this department for the year 1895, together with a list of members, with their rank, number of badge, age, residence, and occupation; location of hydrants and fire alarm boxes; list of key holders; a statement of receipts and expenses; fires and alarms; losses and insurance, as near as could be ascertained; and such suggestions as I think will be necessary for the good of the department.

The department is in good condition and its members have been prompt in responding to all alarms and have performed all their duties in a satisfactory manner. Although our losses have been somewhat larger than for the year 1894 we can hardly call them excessive when we take into consideration the size of the city and the amount at risk. The three fires which caused the greatest loss occurred as follows :—February 24th, at 11.58 P. M., cotton fire on Front street; April 30th, 11.25 P. M., M. C. Swift & Son's Clothing Store and A. E. Lucas' Boot and Shoe Store on Union street, and May 10th, at 2.13 P. M.,

when the New Bedford Dye House and several other stores on Purchase street were damaged by the explosion of naphtha. These three fires caused more than two-thirds of the entire loss for the year. The members of the department have been extremely fortunate, and I am happy to say that I have no accidents or injuries to report for the year.

The department has been somewhat strengthened during the year by the addition of another Hayes aerial truck and a combination hose and chemical wagon, and all of our hose wagons have been supplied with two horses instead of one, which I think, will be economy as they can not only arrive at a fire quicker but the horses will last longer. The combination chemical has been used on several occasions, and has proved to be a valuable addition to the department.

### FORCE OF THE DEPARTMENT.

The force of the department consists of one chief, four assistants and clerk, thirty-five men permanently employed and one hundred and eighty-nine call men, making a total of two hundred and thirty men.

### APPARATUS.

The apparatus consists of seven steam fire engines in good condition, one hand engine at the Head-of-the River, two two-wheeled hose reels, seven hose wagons, one combination chemical, three Hayes aerial ladder trucks in commission, (one Ryan truck in reserve), nine exercise and coal wagons, and one telegraph wagon.

The two old engines which we have held as reserve are entirely worthless, and I would recommend that they be disposed of and a new one purchased at once.

## HOUSES.

There are eight brick and one frame engine houses, all in very good condition; there has been quite an outlay in the past year in the way of alteration of stables and fixtures, and I know of nothing needed the coming year except there should be a small addition to the Weld street station to make room for the men, and as the City owns the lot north of the station, I think at a small expense it could be made quite a convenient house.

## HORSES.

There are forty-one horses belonging to the department, most of them are in good condition, but as usual we will have to purchase a few to replace some that are growing unfit for the duty required of them.

## HARNESSES.

There are nineteen double and ten single harnesses, all in good condition.

## HOSE.

There are sixteen thousand feet of two and a half inch cotton rubber lined hose in the department, most of which is in good condition.

## WATER SUPPLY.

The number of hydrants January 1, 1895, was six hundred and seven (607). Added during the year seventeen (17), making a total of six hundred and twenty-four (624). We have also twenty-nine (29) reservoirs.



## FIRE ALARM.

The fire alarm has worked as well as usual during the year, but I am anxious to begin the coming year to get some of our wires underground. In accordance with the contract made by the City and the Telephone Company, the company has left a duct for us wherever they have laid their conduit, and I trust the incoming government will see the necessity of making the necessary appropriation for placing the fire and police alarm wires where they belong, and I am satisfied that when this work is begun and the citizens see the necessity of having our fire and police alarm systems always safe and reliable, it will be an easy matter to extend our underground system until it is completed.

There have been added five fire alarm boxes during the year as follows: Box 19, corner of State and Sycamore streets; 78, Dartmouth Mills; 97, Whitman Mills; 129, Purchase street and Coffin avenue; 227, New Bedford and Fairhaven bridge. We now have a total of eighty-five (85) boxes, twenty-seven (27) of which are private; forty (40) miles of wire; twelve (12) bells and strikers; nine (9) fifteen-inch engine house gongs; seven (7) seven-inch engine gongs, and eight (8) small tappers operated by a battery of two hundred and thirty-four (234) cups.

## PROTECTIVE DEPARTMENT.

The members of this department under the direction of its president, Mr. Charles S. Kelley, and the board of directors have rendered efficient service. We have now a plentiful supply of rubber covers purchased by the city early in the year.

## RECEIPTS AND EXPENDITURES.

Annual appropriation for 1895,	\$57,600	
Special appropriation for new truck,	3,200	
Special appropriation for new chemical.	1,750	
Transfers from unappropriated fund,	16,608	
Expenditures for 1895,		\$75,672.58
Transfer to unappropriated funds,		3,485.42
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	\$79,158.00	\$79,158.00

## CONCLUSION.

To His Honor the Mayor and gentlemen of the City Council for the interest taken in this department; to the officers and members of the fire and police departments for the faithful manner in which they have performed their duties, I return my sincere thanks.

FREDERICK MACY,

Chief of Fire Department.

## STATEMENT OF EXPENDITURES.

Salaries,	\$2,300.00
Pay-rolls,	48,197.54
Shoeing and blacksmithing,	825.03
Hay and straw,	2,662.41
Grain,	1,624.76
Supplies,	1,346.86
Lights,	773.04
Wood and coal,	1,287.14
Rents,	125.00
Telephones,	464.20
Fire alarm supplies,	643.79
New hook and ladder trucks,	3,200.00
New chemical and hose wagon,	1,750.00
Engine and wagon repairs,	1,140.83
Repairs of buildings,	2,038.50
Labor,	63.75
Horses,	3,015.00
Horse hire,	638.50
Printing and incidentals,	1,090.09
Harnesses and repairs,	1,063.98
House furnishings,	362.16
Hose,	1,060.00
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	\$75,672.58

## ONWARD STEAM FIRE ENGINE COMPANY

## No. 1.

House on Purchase street, foot of Franklin street. Engine built by Amoskeag Manufacturing Co., Manchester, N. H.; capacity, 500 gallons per minute; weight of engine as drawn to fires, 6,950 pounds: put into service August 26, 1869. Present company organized December 30, 1871.

DATE OF JOINING.	No. of Badge.	NAME.	RANK.	AGE.	RESIDENCE.	OCCUPATION.
Aug. 29, 1873.	8	Allen W. Tinkham	Captain	43	5 Smith st.	Carpenter
June 15, 1876.	17	George A. Tripp	1st Lieut.	43	63 Foster st.	Shoemaker
May 7, 1883.	11	Fred W. Brightman	2d Lieut.	37	178 Kempton st.	Paint mfr.
June 28, 1873.	7	Julian A. Sweet	Clerk	47	134 State st.	Roll coverer
May 31, 1880.	14	Charles A. Wilson	Hoseman	38	95 Walden st.	Carpenter
Dec. 29, 1884.	19	John Whitehead	"	51	580 Purchase st.	Copper worker
July 28, 1890.	16	Charles H. Thomas	"	38	87 Locust st.	Roll coverer
Jan. 30, 1892.	9	Robert Wolfenden	"	30	401 Pleasant st.	Barber
May 5, 1890.	15	Oscar S. Hammond	"	27	70 North st.	Carpenter
April 24, 1893.	10	James L. Haskins	"	29	643 Purchase st.	Teamer
July 31, 1893.	18	John Wolfenden	"	32	400 Pleasant st.	Jeweller
July 30, 1894.	13	Herbert C. Gifford	"	24	237 Pleasant st.	Teamer
Mar. 25, 1895.	6	Lawr. T. Wolfenden	Substitute	25	401 Pleasant st.	Shoedealer
Sept. 30, 1895.	12	Edward F. Tripp	"	34	359 Pleasant st.	Horseshoer
June 9, 1894.	20	John H. Backus	Engineer	43	Engine house	Engineer
Dec. 1, 1894.	22	George H. Backus	Stoker	22	541 Purchase st.	Machinist
June 9, 1894.	21	Edward F. A. Cowen	Driver	46	Engine house	Hostler
Dec. 1, 1894.	23	William H. Young	Reel driver	35	"	"

# PROGRESS STEAM FIRE ENGINE COMPANY

## No. 2.

House, corner Purchase street and Mechanics lane. Engine built by the Manchester Locomotive Works, Manchester, N. H.; capacity, 500 gallons per minute; weight of engine as drawn to fires, 7,000 pounds; put into commission November 6, 1884. Company organized October 27, 1860.

DATE OF JOINING.	No. of Badge.	NAME.	RANK.	AGE.	RESIDENCE.	OCCUPATION.
May 5, 1884.	36	William K. Wagner	Captain	38	208 Pleasant st.	Telephone manager
Feb. 12, 1892.	30	George W. Haskins	1st Lieut.	27	236 Kempton st.	Hostler
Jan. 25, 1896.	37	E. K. Pierce	2d Lieut.	33	19 Mill st.	Shoemaker
Aug. 7, 1874.	27	James D. Allen	Clerk	59	202 Purchase st.	Clerk
Nov. 1, 1862.	25	John Downey	Hoseman	58	118 No. Second st.	Teamer
Jan. 1, 1872.	29	James G. Harding	"	60	62 State st.	Carpenter
Sept. 7, 1874.	32	Charles F. Dean	"	38	59 Elm st.	Carriage painter
May 5, 1884.	36	Samuel W. Mitchell	"	37	155 Purchase st.	Clerk
July 3, 1876.	34	Moses Dean	"	41	202 Purchase st.	Blacksmith
Dec. 1, 1890.	24	J. L. Crowley	"	26	155 Purchase st.	Plumber
Jan. 12, 1892.	28	H. A. Sherman	"	39	Allen & County	Carriage smith
Nov. 6, 1890.	33	A. J. Aiken	"	33	116 No. Second st.	Painter
Sept. 1, 1892.	129	E. E. Spooner	Substitute	21	Brownell's Bl'k	Clerk
July 2, 1894.	26	John H. Dollard	"	41	38 North Ash st.	Marble worker
Aug. 23, 1892.	38	Benjamin Groves	Engineer	40	Engine house	Engineer
Aug. 20, 1874.	40	Lemuel W. Hayes	Stoker	52	23 North st.	Wood turner
June 25, 1893.	39	Charles Allen	Driver	39	Engine house	Hostler
June 24, 1893.	41	Roland A. Hatch	Reel driver	28	342 Acushnet av.	"

## CORNELIUS HOWLAND STEAM FIRE ENGINE COMPANY No. 4.

House, corner Sixth and Bedford streets. Engine built by the Manchester Locomotive Works, Manchester, N. H.; capacity, 500 gallons per minute; weight of engine as drawn to fires, 7,000 pounds; put into service May 20, 1884. Company organized February 1, 1867.

DATE OF JOINING.	No. of Badge.	NAME.	RANK.	AGE.	RESIDENCE.	OCCUPATION.
May 29, 1868.	42	William A. Gibbs	Captain	45	181 Fourth st.	Cabinet maker
July 26, 1886.	43	Wm. E. Watson, Jr.	1st Lieut.	32	37 Fifth st.	Clerk
Sept. 29, 1872.	44	Charles S. Wing	2d Lieut.	41	279 Acushnet av.	"
Feb. 16, 1888.	49	Frank C. Jennings	Clerk	30	19 Allen st.	Oil dealer
Jan. 29, 1867.	46	James M. Tripp	Hoseman	60	211 Acushnet av.	Pattern maker
Dec. 6, 1877.	47	Charles H. Card	"	47	73 Forest st.	Painter
Aug. 28, 1882.	52	Samuel Watson, 2d	"	37	174 Fourth st.	Clerk
Nov. 10, 1879.	53	Benj. F. Hinckley	"	38	179 Fourth st.	Printer
Sept. 1, 1892.	51	William C. Hiscox	"	32	57 Bedford st.	Fitter
May 28, 1894.	45	Louis A. Vierick	"	24	102 Fourth st.	Frame maker
Jan. 5, 1894.	50	Henry La Rocque	"	25	86 So. Sixth st.	Machinist
May 14, 1895.	48	Charles A. Baker	"	34	84 So. Sixth st.	"
July 2, 1894.	54	Harrie B. Jennings	Substitute	22	19 Allen st.	Clerk
May 14, 1895.	55	George F. Tobey	"	36	7 Crapo st.	Plumber
Aug. 29, 1878.	56	Alonzo V. Jason	Engineer	41	111 S. Seventh st.	Engineer
Mar. 25, 1889.	58	Leander Reed	Stoker	46	3 Bay st.	Machinist
Jan. 29, 1867.	57	George H. W. Tripp	Driver	59	57 Bedford st.	Hostler
April 1, 1889.	59	William C. Kennedy	Reel driver	28	144 Bedford st.	Wagon driver



## ZACARIAH HILLMAN STEAM FIRE ENGINE COMPANY No. 5.

House, corner County and Hillman streets. Engine built by La France Steam Fire Engine Co., Elmira, N. Y., capacity, 500 gallons per minute; weight of engine as drawn to fires, 7,300 pounds; put into service March 10, 1894. Company organized December 13, 1873.

DATE OF JOINING.	No. of Badge.	NAME.	RANK.	AGE.	RESIDENCE.	OCCUPATION.
Dec. 31, 1888.	70	Thomas H. Forbes	Captain	34	121 Cedar st.	Shoemaker
Dec. 23, 1891.	73	Ernest L. Soule	1st Lieut.	33	254 Maxfield st.	Wood worker
Feb. 9, 1891.	60	George E. Macomber	2d Lieut.	43	218 North st.	Engineer
Oct. 1, 1885.	63	Joseph C. Forbes	Clerk	29	201 Cedar st.	Shoemaker
Dec. 13, 1873.	62	Isaiah H. Wilcox	Hoseman	60	506 Acushnet av.	Painter
May 1, 1876.	64	George H. Chadwick	"	61	354 Kempton st.	Painter
Sept. 30, 1890.	68	Thomas N. Meyers	"	33	205 Summer st.	Frame maker
June 26, 1893.	69	John F. Gifford	"	40	383 Kempton st.	Foreman Street Dept.
Sept. 30, 1889.	71	Obed S. Cowing	"	32	278 Mill st.	Carpet upholsterer
Feb. 1, 1893.	61	Frank B. Chadwick	"	23	354 Kempton st.	Frame maker
July 23, 1894.	67	Arthur A. Caswell	"	31	362 Kempton st.	Shoemaker
Oct. 10, 1894.	65	William L. Davis	"	32	106 Chestnut st.	Painter
Dec. 31, 1894.	66	Charles H. Bowman	Substitute	30	268 Arnold st.	Roll Coverer
April 29, 1895.	72	Louis H. Almy	"	25	12 Spruce st.	Printer
Dec. 13, 1873.	74	M. Blanchard, Jr.	Engineer	51	Engine house	Engineer
May 1, 1892.	76	Charles W. Jones	Stoker	41	329 Cottage st.	Wood worker
Jan. 7, 1876.	75	Benj. F. King, Jr.	Driver	54	Engine house	Hostler
Jan. 23, 1883.	77	Martin S. Nelson	Reel driver	38	"	"

## FREDERICK MACY STEAM FIRE ENGINE COMPANY No. 6.

House on Fourth street, head of Potomaska street. Engine built by Manchester Locomotive Works, Manchester, N. H.; capacity, 500 gallons per minute; weight of engine as drawn to fires, 7,100 pounds; put into service November 1, 1882. Company organized October 31, 1882.

DATE OF JOINING.	No. of Badge.	NAME.	RANK.	AGE.	RESIDENCE.	OCCUPATION.
Oct. 26, 1886.	130	Edward W. O'Neill	Captain	34	30 Thompson st.	Glass cutter
Oct. 31, 1882.	135	Frederick S. Nelson	1st Lieut.	29	7 Bonney st.	Mason
Feb. 3, 1890.	131	Charles E. Allen	2d Lieut.	27	Hall st.	Painter
Oct. 31, 1882.	122	Herbert B. Gardner	Clerk	48	132 Washing'n st.	Compositor
Oct. 31, 1882.	132	Jason L. Ballou	Hoseman	50	37 Crapo st.	Carpenter
Oct. 31, 1882.	127	Thomas Wood	"	49	34 Bonney st.	Photographer
Oct. 31, 1882.	125	Marshall S. Greene	"	41	233 Rivet st.	Mason
Mar. 27, 1883.	128	Joseph Jackson	"	40	59 Allen st.	Barber
Oct. 31, 1882.	133	Charles K. Wood	"	44	35 Crapo st.	Passepart't maker
June 30, 1891.	123	John F. Rogers	"	28	97 Acushnet av.	Undertaker
May 31, 1892.	138	Michael Stapleton	"	36	Stapleton st.	Salesman
Dec. 15, 1892.	121	Charles E. Greene	"	22	204 County st.	Turner
June 26, 1894.	126	James Rock, Jr.	Substitute	23	743 So. Water st.	Clerk
Jan. 1, 1895.	124	George H. Whelan	"	24	216 County st.	Solderer
Oct. 31, 1882.	137	Charles G. Taber	Engineer	47	224 County st.	Engineer
Nov. 24, 1885.	142	Henry M. Mosher	Stoker	47	205 County st.	Press worker
Oct. 31, 1882.	134	Frank A. C. Greene	Driver	30	87 Acushnet av.	Hostler
Oct. 31, 1882.	136	N. Herbert Greene	Reel driver	39	288 Fourth st.	"

## STEAM FIRE ENGINE COMPANY

## No. 7.

House on Durfee street. Engine built by the Manchester Locomotive Works, Manchester, N. H.; capacity, 500 gallons per minute; weight of engine as drawn to fires, 7,000 pounds; put into service September 1, 1890. Company organized September 1, 1890.

DATE OF JOINING.	No. of Badge.	NAME.	RANK.	AGE.	RESIDENCE.	OCCUPATION.
Sept. 1, 1890.	197	S. C. Lowe	Captain	38	County st.	Merchant
"	204	E. H. Booth	1st Lieut.	45	35 Durfee st.	Car Inspector
"	206	J. H. Ryan	2d Lieut.	37	565 Cottage st.	Plumber
"	205	M. C. Dahill	Clerk	36	70 Linden st.	Shoemaker
"	198	Thomas Mack	Hoseman	33	Campbell	Clerk
"	208	C. A. Galligan	"	28	567 Cottage st.	Merchant
"	209	James McDonnell	"	27	130 Austin st.	Merchant
"	207	J. D. Manseau	"	30	30 Durfee st.	Clerk
"	203	George A. Bosworth	"	32	20 Richmond st.	Contractor
Nov. 11, 1890.	211	C. L. Dunham	"	28	77 Willis st.	Merchant
Jan. 3, 1893.	195	J. N. O'Brien	"	33	567 Cottage st.	Merchant
Sept. 1, 1890.	210	James M. Whittaker	"	30	Cedar	Driver
June 11, 1894.	212	Thomas Lowe	Substitute	49	Shawmut av.	Plumber
Dec. 2, 1894.	196	Wm. Simister	"	29	Durfee st.	Merchant
Sept. 1, 1890.	199	James R. Goddard	Engineer	37	Cottage st.	Engineer
"	202	Andrew Tripp	Stoker	43	1 Durfee st.	Shoemaker
"	200	Wm. H. H. King	Driver	31	8 Mt. Pleasant st.	Hostler
"	201	Ed. H. Coggeshall	Reel driver	25	1 Durfee st.	Shoemaker

## STEAM FIRE ENGINE COMPANY

## No. 8.

House, Acushnet avenue and Davis street. Engine built by La France Steam Fire Engine Co., Elmira, N. Y.; capacity, 500 gallons per minute; put into service December 1, 1894. Company organized December 1, 1894.

DATE OF JOINING.	No. of Badge.	NAME.	RANK.	AGE.	RESIDENCE.	OCCUPATION.
Dec. 1, 1894.	252	Timothy E. Lowney	Captain	28	300 Cedar st.	Contractor and builder
"	242	David C. McWhinnie	1st Lieut.	31	Ashland st.	Mechanic
"	243	John S. Pye	2d Lieut.	31	942 Acushnet av.	Clerk
"	249	Fred S. Webster	Clerk	24	1110 Acushnet av.	Mechanic
"	245	Thomas S. Riley	Hoseman	27	98 Austin st.	Clerk
"	241	James Slater	"	44	678 Purchase st.	Merchant
"	244	Michael McDonnell	"	28	199 Austin st.	Merchant
"	246	Robert McWhinnie	"	37	Church st.	Slasher tender
"	247	Edward L. Hughes	"	28	Coffin av.	Clerk
"	248	Nicholas Whalon	"	29	20 Belleville st.	Clerk
"	250	Antonio M. Lemos	"	31	Davis st.	Mechanic
"	251	Daniel S. Considine	"	31	Davis st.	Merchant
"	254	A. J. Cote	Substitute	22	229 Coggeshall st.	Painter
Dec. 1895.	253	Michael J. Sullivan	"	36	837 Purchase st.	Carpenter
Dec. 1, 1894.	237	William R. Moore	Engineer	32	Dean & N. Front	Engineer
"	240	John Watkinson	Stoker	30	441 Pleasant st.	Clerk
"	238	George H. Cook	Driver	34	254 Coffin av.	Hostler
"	239	Squire A. Gifford	Reel driver	39	1090 Acushnet av.	Hostler

## HANCOCK ENGINE COMPANY No. 9.

House located at Acushnet, Engine built by John Agnew, of Philadelphia, in 1843. Engine removed to Acushnet January 18, 1861, and a company was organized to man her at that time. Company reorganized December 14, 1878.

DATE OF JOINING.	No. of Badge.	NAME.	RANK.	AGE.	RESIDENCE.	OCCUPATION.
Dec. 16, 1878.	147	Francis P. Washburn	Captain	52	Acushnet avenue	Carpenter
"	160	Herbert M. Spooner	1st Lieut.	36	" "	Box maker
Sept. 3, 1883.	151	John G. Whalon	2d Lieut.	34	" "	"
Dec. 16, 1878.	146	John A. Russell	Clerk	45	" "	Farmer
May 1, 1882.	159	Israel H. Peckham	Suction Hoseman	53	Tarkiln Hill rd.	Blacksmith
Dec. 16, 1878.	158	Lemuel A. Washburn	Suction Hoseman	57	Acushnet avenue	Teamster
Dec. 4, 1882.	164	George W. Hawes	Suction Hoseman	42	" "	"
Dec. 16, 1878.	153	Wm. T. Gifford	Leading Hoseman	49	Mill road	Farmer
May 3, 1886.	155	George H. Gifford	Leading Hoseman	24	Acushnet avenue	Grocer
Dec. 16, 1878.	154	Joseph W. Spooner	Leading Hoseman	43	" "	Teamster
"	166	Eli W. Reed	Leading Hoseman	57	Tarkiln Hill rd.	"
"	152	James A. Wilbur	Leading Hoseman	50	Mill road	Rope maker
May 2, 1887.	161	Wm. P. Reed	Steward	42	Tarkiln Hill rd.	Teamster
May 7, 1888.	145	John F. Parker	Brakeman	26	Main st.	Painter
Dec. 16, 1878.	150	Job T. Haskins	"	49	Mill road	Box maker
"	149	John Sylvia	"	56	Belleville road	Shoemaker
"	148	A. B. Grinnell, Jr.	"	56	Acushnet avenue	Clerk
"	165	Allen Russell, Jr.	"	38	" "	Musician
May 2, 1887.	163	Nathan C. Briggs	"	61	" "	Carpenter
May 31, 1892.	157	Walter H. Darling	"	30	Main st.	Box maker
Sept. 25, 1893.	162	Frederic W. Bowles	"	30	Acushnet avenue	Sawyer
May 28, 1894.	156	Henry E. Reed	"	28	Mill road	Bricklayer
Aug. 26, 1895.		Allen G. Briggs	Substitute	31	Acushnet avenue	Clerk
Sept. 16, 1895.		Edwin F. Davis	"	28	Tarkiln Hill rd.	Rope maker

## HOOK AND LADDER COMPANY No. 1.

House, corner of Purchase street and Mechanics lane. Carriage built by La France Steam Fire Engine Co., Elmira, N. Y.; put into commission April 29, 1895.

DATE OF JOINING.	No. of Badge.	NAME.	RANK.	AGE.	RESIDENCE.	OCCUPATION.
Jan. 27, 1890.	104	Philip C. Russell	Captain	32	4 Walnut st.	Stereotyper
Jan. 5, 1884.	101	Frank Spooner	1st Lieut.	40	West Mill st.	Painter
Nov. 29, 1886.	103	Alfred M. Gifford	2d Lieut.	32	49 So. Second st.	Teamster
Mar. 30, 1874.	89	Charles E. Pierce	Clerk	48	62 Thomas st.	Printer
July 25, 1890.	107	George A. Caswell	Axeman	25	58 No. Sixth st.	Blacksmith
Jan. 31, 1870.	87	Lysander W. Davis	Ladderm'n	60	106 Chestnut st.	Carpenter
June 24, 1833.	105	Edward D. Francis	Axeman	40	86 Kempton st.	Shoemaker
Jan. 24, 1889.	91	William L. Fletcher	Ladderm'n	30	38 Cedar st.	Grinder
Aug. 5, 1865.	102	Charles J. Johnson	"	62	23 Locust st.	Sparmaker
Jan. 26, 1891.	88	Charles P. Johnson	"	37	72 First st.	Mechanic
Oct. 26, 1863.	90	Abram R. Luscomb	"	56	So. Sixth st.	Laborer
Sept. 26, 1887.	100	Loren N. Mosher	"	38	30 Elm st.	Lineman
Aug. 7, 1863.	86	Philip M. Tripp	"	57	Arnold st.	Teamster
Jan. 8, 1895.	98	Ed. C. Neagus, Jr.	Substitute	23	72 Walden st.	Clerk
"	106	Crawford N. Mosher	"	20	30 Elm st.	Messenger
Sept. 1, 1888.	96	George S. Allen	Driver	34	303 Acushnet av.	Hostler
Feb. 13, 1895.	97	Isaac R. Allen	Tillerman	39	120 High st.	Tillerman



## HOOK AND LADDER COMPANY No. 2.

House on Weld street. Carriage built by La France Steam Fire Engine Co., Elmira, N. Y.; put into commission August 30, 1888. Present company organized September, 1888.

DATE OF JOINING.	No. of Badge.	NAME.	RANK.	AGE.	RESIDENCE.	OCCUPATION.
Sept. 1, 1888.	172	Edward F. Dahill	Captain	34	772 County st.	Shoe dealer
"	175	Martin H. Sullivan	1st Lieut.	37	78 North st.	Carpenter
"	179	William McCann	2d Lieut.	34	200 No. Front st.	Peddler
"	180	Peter F. Sullivan	Clerk	35	869 County st.	Grocer
"	171	Henry M. Kenyon	Poleman	54	910 Acushnet av.	
"	177	John S. Harrington	Axeman	36	Weld & Pleasant	Driver
"	178	David Warren	Ladderm'n	38	257 State st.	Stableman
May 1, 1890.	184	Frank R. Pease	"	37	923 Acushnet av.	Druggist
Mar. 1, 1892.	173	William Sellick	Poleman	26	136 No. Front st.	Driver
Sept. 1, 1892.	174	Charles H. McCarty	Axeman	24	State & Clark sts	"
"	182	Henry Lenhart,	Ladderm'n	23	Marvin st.	Grocer
Sept. 8, 1893.	176	Edward M. Murphy	"	30	834 County st.	Clerk
Dec. 18, 1894.	181	John Couway	Substitute	19	136 No. Front st.	Plumber
Oct. 1, 1895.	183	John E. Murphy	"	24	209 Cedar Grove	Clerk
Oct. 9, 1894.	108	Geo. H. Nickerson	Driver	27	61 Merrimac st.	Hostler
Sept. 17, 1895.	215	J. T. Haggerty	Tillerman	26	945 County st.	Tillerman

## HOOK AND LADDER COMPANY No. 3.

House on Fourth street, head of Potomska. Carriage built by La France Steam Fire Engine Co., Elmira, N. Y.; put into commission November 1, 1891. Company organized November 1, 1891.

DATE OF JOINING.	No. of Badge.	NAME.	RANK.	AGE.	RESIDENCE.	OCCUPATION.
Nov. 1, 1891.	229	George H. Baylies	Captain	23	279 County st.	Painter
"	222	Henry R. Lindsey	1st Lieut.	33	211 County st.	Carpenter
"	220	John J. Meaney	2d Lieut.	26	6 West French av	"
"	219	Daniel E. Nelson	Clerk	31	314 So. Second st.	Mason
"	218	John O'Neil	Poleman	32	30 Thompson st.	Glass cutter
"	226	Charles B. Church	Ladderm'n	24	256 Fourth st.	Fish dealer
"	221	Henry E. Chase	Axeman	31	167 Grinnell st.	Painter
"	217	E. E. Enos	Ladderm'n	32	Rear 618 So. First	Clerk
"	224	James R. Gifford	Axeman	33	15 Columbia st.	Lineman
June 5, 1893.	227	Manuel J. Francis	Ladderm'n	30	257 So. Second st.	Clerk
Feb. 1, 1892.	225	S. J. Cassidy, Jr.	"	29	273 Fourth st.	Painter
Dec. 5, 1892.	230	Esnest F. McCarthy	Poleman	27	109 Potomska st.	Blacksmith
Feb. 14, 1894.	228	Edw'd E. Hathaway	Substitute	22	214 County st.	Shoemaker
Jan. 7, 1895.	223	Nelson L. Pike	"	30	Rural cemetery	Sexton
Aug. 1, 1892.	232	John W. Donaghy	Driver	29	Engine house	Hostler
Nov. 1, 1892.	231	Henry J. Marshall	Tillerman	31	"	Tillerman

## HOSE COMPANY No. 1.

House, corner of Purchase street and Mechanics lane. Wagon built by Charles F. Halloway, Baltimore, Md.; put into commission July 1, 1895. Company organized December 31, 1871.

DATE OF JOINING.	No. of Badge.	NAME.	RANK.	AGE.	RESIDENCE.	OCCUPATION.
Dec. 31, 1889.	82	John W. Baker	Captain	34	46 Hill st.	Carpenter
Dec. 1, 1889.	83	David W. Howland	1st Lieut.	57	219 Kempton st.	Blacksmith
Mar. 4, 1895.	81	Samuel T. Madison	2d Lieut.	31	82 Elm st.	Electrician
Dec. 1, 1889.	85	John B. Oliver	Clerk	31	263 Cottage st.	Blacksmith
"	78	Augustus G. Mitchell	Hoseman	39	134 No. Second st.	Salesman
"	79	Charles T. Maxfield	"	32	49 Mechanics la'e	Printer
June 3, 1895.	80	Charles Thomas	"	35	39 Newton st.	Carpenter
"	167	Wm. H. B. Harlow	Substitute	21	17 High st.	Clerk
April 26, 1895.	84	Frederick E. Mosher	Driver	35	194 Kempton st.	Hostler

## HOSE COMPANY No 2.

House, corner of Weld and Bowditch streets. Wagon built by Brownell, Ashley & Co., New Bedford; put into commission December 1, 1888. Company organized December 3, 1888.

DATE OF JOINING.	No. of Badge.	NAME.	RANK.	AGE.	RESIDENCE.	OCCUPATION.
Dec. 3, 1888.	186	Joseph Dawson	Captain	35	State st.	Merchant
"	187	Mark Watson	1st Lieut.	36	772 County st.	Merchant
"	188	Stephen L. Fennell	2d Lieut.	36	17 Reynolds st.	Salesman
"	192	George C. Hewins	Clerk	24	762 County st.	Engineer
"	189	Bart. P. Fury	Hoseman	31	549 Purchase st.	Salesman
April 16, 1889.	190	William Wolfenden	"	26	399 Pleasant st.	Barber
Aug. 1, 1893.	191	John Watson	"	37	State & Weld sts	Clerk
Dec. 3, 1888.	194	Reuben Taber	Driver	40	Engine house	Hostler
Aug. 1, 1895.	193	Arthur McDonald	Substitute	25	17 Weld st.	Spinner

## NEW BEDFORD PROTECTING SOCIETY.

President, Charles S. Kelley; 1st. Director, William A. Robinson; 2nd. Director, Charles H. Lawton; 3rd. Director, Edward T. Pierce; 4th. Director, Charles M. Haskell; 5th. Director, Edmund F. Maxfield; 6th Director, Edmund Wood; 7th. Director, John H. Lowe; 8th. Director, John E. Gibbs; Secretary and Treasurer, Edmond L. Wilde.

Francis T. Akin,  
Gideon Allen, Jr.,  
George H. H. Allen,  
James H. Bamford,  
William Bamford,  
Lewis E. Bentley,  
George W. Bennett,  
O. Frank Bly,  
Standish Bourne,  
Byron F. Card,  
Charles A. Case,  
R. C. P. Coggeshall,  
Clifton H. Cornish,  
Edwin Dews,  
Henry C. Denison,  
Ernest A. Dunham,  
Fred C. Dunham,  
Joseph Dias,  
John Eldridge, Jr.,  
James P. Francis,  
Edward R. Gardner,  
John E. Gibbs,  
Frank H. Gifford,  
Charles H. Gifford,  
Thomas J. Gifford,  
A. W. Hadley,  
Charles H. Holden,  
John J. Howland,  
Charles M. Hussey,  
Henry F. Hammond,  
H. S. Hutchinson,  
Henry Howard,  
Thomas H. Knowles,

G. D. Kingman,  
Edgar R. Lewis,  
Philander F. Manchester,  
Frederick B. Macy,  
Willard Nye, Jr.,  
Otis N. Pierce,  
William F. Potter,  
James N. Parker,  
William H. Pitman,  
Charles L. Paine,  
Stephen D. Peirce,  
George A. Phillips,  
William F. Read,  
Morgan Rotch,  
Arthur E. Robbins,  
Louis H. Richardson,  
Gardner T. Sanford,  
R. W. Swift,  
Leander H. Swift,  
S. Edward Shaw,  
Robert Snow,  
Frederic Taber,  
William T. Taylor,  
Alfred Thornton,  
Alfred G. Wilbor,  
William H. Willis,  
William Whitehead,  
Horace Wood,  
Frederic A. Washburn,  
Thomas F. Wood,  
William R. West,  
Mark T. Vincent.

## Fire Alarms, Losses and Insurance, for 1895.

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The loss by fire for the year ending December 31, 1895, was \$55,607.61. Amount of insurance, \$209,233.33. Number of bell alarms, 58. Number of still and telephone alarms, 49. Total alarms, 107.

Jan. 4, 9.14 A. M. Box 125. Fire in Brick Blocks on North Front street, owned by Wamsutta Mills Co., and occupied as a tenement house. Cause, children playing with matches. Responded to by Companies 1, 7, and 8, Hook and Ladder 2, and Hose 2. Loss on building, \$8. Insurance, \$2,000.

Jan. 5, 8 P. M. Box 128. Fire in house on Coggeshall street, owned by M. E. Smith. Cause, overheated oil stove. Responded to by Companies 1, and 7, Hook and Ladder 2, and Hose 2. No loss.

Jan. 9, 11.30 P. M. Box 52. Fire in dwelling house 45 Bonney street, owned by Anne L. Forbes and occupied by Gideon and Ludger Poisson. Cause, breakage of lighted lamp. Companies responding: Engines 4 and 6, Hook and Ladder 3, and Hose 1. Loss on building, \$175; insurance on building, \$1000. Loss on contents, \$238; insurance on contents, \$1500.

Jan. 10, 4.20 P. M. Box 57. Fire in dwelling house on Acushnet avenue, near Delano, owned by Joseph De Neves. Cause, overheated stove. Companies responding: Engines 4 and 6, Hook and Ladder 3, and Hose 1. Loss on building, \$85; insurance \$1500.

Jan. 12, 7.30 A. M. (Still.) Chimney fire in house 240 Chancey street, owned by William Johnson, and occupied by William Taylor. Responded to by men from No. 5 station. No loss.

Jan. 14, 9.30 P. M. Box 7. Fire in dwelling house on Franklin street, near Purchase, owned by Mrs. Mary Moriarty. Caused by hot pipe in a coat pocket. Responded to by Companies 1 and 7, Hook and Ladder 2, and Hose 2. Loss on building, \$13.50; insurance \$1,000.

Jan. 14, 12.10 P. M. (Still.) Smoke in building corner of Madison and Water streets, belonging to Thornton Estate. Responded to by men from No. 4 Station.



Jan. 21, 1 A. M. Box 125. Fire in Chase's Block on Purchase street near Logan, owned by heirs of Nathan Chase, and occupied by Norbert Davignon, D. H. Grauthier, Fred Pieracinni and Wah Kee. Cause unknown. Companies responding: Engines 1, 7, and 8, Hook and Ladder 2, and Hose 2. Loss on buildings, \$900; insurance \$7000. Loss on contents, \$1882.74; insurance, \$4,000.

Jan. 24, 10.30 A. M. (Still.) Chimney fire in house 350 County street, owned by Mrs. Bonney, and occupied by E. C. Brownell. Responded to by men from No. 4 Station. No loss.

Jan. 30. (Still.) Chimney fire in house on South Water street, owned and occupied by Daniel Eaton. Responded to by men from No. 4 Station. No loss.

Jan. 31, 5.35 P. M. (Still.) Chimney fire in house corner Seventh and Spring streets, belonging to Estate of Daniel Thornton, and occupied by Walter Thornton. No loss.

Jan. 31, 8 P. M. Box 15. Chimney fire in house on Cedar street. Responded to by Companies 5 and 7, Hook and Ladder 1, and Hose 2. No loss.

Feb. 5. (Still) Chimney fire in house on Grand street, owned and occupied by Edgar H. Gammons. Responded to by men from No. 7 Station. No loss.

Feb. 7, 10.40 P. M. (Still.) Fire in house No. 63 Fifth street, occupied by Mrs. John McAfee. Cause, overheated stove. Responded to by men from No. 4 Station. No loss.

Feb. 8, 8.05 A. M. Box 17. Fire in dwelling No. 224 Pleasant street, owned by Geo. Castino, and occupied by Edward E. Bowker and William F. Williams. Cause, child playing with matches. Responded to by Companies 1 and 5, Hook and Ladder 2, and Hose 2. Loss on building, \$212; insurance, \$4500. Loss on contents, \$98; insurance, \$1000.

Feb. 9, 3 P. M. Box 9. Fire in house No. 4 Wall street, owned and occupied by Thomas Watson. Cause, plumbers thawing out pipes. Responded to by Companies 1 and 7, Hook and Ladder 2, and Hose 2. Loss on building, \$21.11; insurance, \$1500.

Feb. 14, Box 58. Fire in house on Shore street, owned by David Fournier. Cause, sparks from pipe. Responded to by Companies 4 and 6, Hook and Ladder 3, Hose 1. Loss on building, \$20; insurance, \$3400.

Feb. 18, 6.30 P. M. Box 32. Fire in barn corner County and Union streets, owned and occupied by Dr. Chas. L. Seip. Cause unknown. Responded to by Companies 2, 4, and 5, Hook and Ladder 1, and Hose 1.

Loss on building, \$223; insurance, \$1000. Loss on stock, \$50. No insurance.

Feb. 19, 10.30 A. M. Box 31. Fire in Manhattan House, occupied by Michael Kane. Cause, match dropped in oil room. Responded to by Companies 2 and 4, Hook and Ladder 1, and Hose 1. Loss on building, \$640.50; insurance, \$6000. Loss on stock, \$147.71; insurance, \$5200.

Feb. 21, Box 21. Fire in building on North Water street, owned by Rodolphus Beetle, and occupied by the New Bedford Reed Co. and Herbert M. Atwood. Cause unknown. Companies responding: Engines 1, 2 and 5, Hook and Ladder 1 and Hose 1. Loss on building, \$16.50; insurance, \$800. Loss on stock, \$75. No insurance.

Feb. 21, 8 P. M. Box 135. Fire in house on Coggeshall street, owned by A. Davis Ashley, and occupied as a tenement house. Cause, explosion of lamp. Responded to by Companies 1 and 7, Hook and Ladder 2, and Hose 2. No loss.

Feb. 24, 11.55 P. M. Box 26. Fire in building on corner of Front street and Hazzard's lane, owned by heirs of Elijah Gifford, and occupied by Rotch Manufacturing Co. Cause, probably spark in bale of cotton. Responded to by Companies 1, 2 and 5, Hook and Ladder 1, and Hose 1. Loss on building, \$750; insurance, \$1000. Loss on contents, \$8500; insurance, \$25,000.

Feb. 26, 12.30 A. M. Box 48. Fire in grocery store 580 South Water street, occupied by Joseph Antone. Cause unknown. Responded to by Companies 4 and 6, Hook and Ladder 3, and Hose 1. Loss on building, \$35; insurance, \$400. Loss on contents, \$20; insurance \$300.

March 7, 9.15 P. M. (Still.) Fire in Music Hall Building on William street, owned by C. S. Cummings and others, and occupied by E. E. Chadwick as a market. Caused by electric wires. Responded to by men from Central Station. No loss.

March 9, 11.20 P. M. Box 26. Fire in building 237 South Second street, owned by Manuel Mello, and occupied as a club room. Cause, incendiary. Companies responding: Engines 4 and 6, Hook and Ladder 3 and Hose 1. Loss on building, \$39; insurance, \$500.

March 24, 3.56 A. M. Box 18. Fire in building corner Purchase and Mill streets, owned by Harvey Bartlett, and occupied by Josiah A. Dexter, William Boardman, Clara B. Sargent and others. Caused by electric wires. Responded to by Companies 1 and 2, Hook and Ladder 1, and Hose 1. Loss on building, \$187; insurance \$7000. Loss on contents, \$60; insurance, \$700.

March 27, 9.40 P. M. (Still.) Fire in building corner of Middle and Second streets, owned by heirs of Edward Sullivan, and occupied by Timothy Downey. Cause, lamp too near ceiling. Responded to by men from Central Station. No loss.

April 3, 2.25 A. M. Box 17. Fire in laundry 540 Acushnet avenue, owned by heirs of S. M. Hall, and occupied by Charles A. Hall. Cause, overheated chimney. Companies responding: Engines 1 and 5, Hook and Ladder 1, and Hose 1. Loss on building, \$50; insurance, \$1000.

April 7, 7.55 P. M. Box 26. Fire in building on Front street foot of Middle, owned by Nelson Morris & Co, and occupied by Charles A. Sisson. Cause, incendiary. Responded to by Companies 1, 2, and 5, Hook and Ladder 1, and Hose 1. Loss on building, \$1145; insurance, \$1500. Loss on contents, \$300. No insurance.

April 13, 10.05 P. M. (Still.) Fire in Masonic Hall Building, occupied by Briggs & Lawrence. Caused by electric light wire. Responded to by men from Central Station. No loss.

April 13, 10.10 P. M. Fire in store on Union street, owned and occupied by J. & W. R. Wing & Co. Caused by electric light wires. Responded to by men from Central Station. No loss.

April 19, 12.01 A. M. Box 34. Fire in store 73 Union street, owned by Antone Sylva, and occupied by Joseph Serpa. Cause, live wire. Responded to by Companies 2 and 4, Hook and Ladder 1, and Hose 1. Loss on building, \$47.50; insurance, \$2000.

April 21. (Still.) Brush fire on Cove Road. Responded to by men from No. 6 Station.

April 24, 8 P. M. Box 226. Fire in building corner Front and Hamilton street, owned by heirs of Job Wade, and occupied by the Rotch Spinning Co. Cause, incendiary. Responded to by Companies 2, 4, and 5, Hook and Ladder 1 and Hose 1. No loss.

April 30, 11.20 P. M. Box 31. Fire in buildings 151-157, 159 and 163 Union street, owned by S. & B. H. Waite and heirs of John McCullough, and occupied by M. C. Swift & Son, Manuel C. Sylva, A. E. Lucas, E. F. Allen, and others. Cause unknown. Companies responding: Engines 2 and 4, Hook and Ladder 1, and Hose 1. Loss on buildings, \$1851; insurance, \$7500. Loss on contents, \$26,117.13; insurance, \$44,475.

May 1, 1.50 P. M. (Still.) False alarm caused by sun shining on wet goods, and making steam in store 163 Union street, occupied by A. E. Lucas. Responded to by men from Central Station.

May 2, 9 P. M. Box 48. Fire in grocery store 154 Acushnet avenue, owned by William Norteman, and occupied by Vieterino Cuchraus. Cause, falling of lamp. Companies responding: Engines 4 and 6, Hook and Ladder 3, and Hose 1. Loss on building, \$60; insurance, \$2000. Loss on contents, \$20; insurance, \$800.

May 4, 3.40 P. M. Box 31. Fire in Mansion House, owned by Charles E. Cook and heirs of S. T. Vial, and occupied by F. B. Carr. Cause, overheated pipe. Companies responding: Engines 2 and 4, Hook and Ladder 1, and Hose 1. Loss on building, \$339; insurance, \$13,000. Loss on contents, \$97; insurance, \$6500.

May 11, 2 P. M. Box 27. Fire in buildings on Purchase street, owned by John K. Cushing, Levi Hawes, A. L. John, B. H. Waite, O. F. Brown, heirs of Alexander Gibbs, and occupied by William E. Smith, C. F. Perry, A. L. John, E. B. Tinkham Shoe Co., Mrs. Ito, Mrs. Jessie B. Lyddish and others. Cause, explosion of naphtha. Companies responding: Engines 2 and 4, Hook and Ladder 1, and Hose 1.

2.05 P. M. Box 27. Second alarm. Companies responding: Engines 1 and 5, Hook and Ladder 3, and Hose 2. Loss on buildings, \$1894; insurance, \$6700. Loss on contents, \$2033.74; insurance, \$4250.

May 16, 6.30 P. M. (Still.) Chimney fire in house No. 9 Emerson street, owned by Motin Yancy, and occupied by George Johnson. Responded to by men from No. 5 Station. No loss.

May 18. (Still.) Chimney fire in house No. 20 Seventh street. Responded to by men from No. 4 Station.

May 18. (Still.) Chimney fire in house on Second street. Responded to by men from No. 4 and 6 Stations.

May 18. Chimney fire in house No. 20 Seventh street. Responded to by men from No. 4 Station. No loss.

May 31, 2.45 A. M. (Still.) False alarm, caused by the automatic alarm at William H. Washburn's planing mill getting out of order. Responded to by men from Central Station.

May 31, 4.40 P. M. (Still.) Chimney fire in house corner School and First street, owned by Gustavus Putz, and occupied by William R. Stowell. Responded to by men from Central Station. No loss.

June 3, 6.15 A. M. (Still.) Chimney fire in house on Front street near Howland, owned by Henry Holcomb, and occupied as a tenement house. Responded to by men from No. 4 Station. No loss.



June 10, 1.50 P. M. (Still.) Fire in house on North Chancery street, owned and occupied by Manuel Cardoza. Cause, hot ashes in barrel. Responded to by men from No. 5 Station. No loss.

June 18, 2 P. M. Box 51. Fire in barn on Dartmouth street, owned by Mrs. Frank Chase, and occupied by James Butts. Cause, boys smoking cigarettes. Companies responding: Engines 4 and 6, Hook and Ladder 3, and Hose 1. No loss.

June 18, 5.20 P. M. (Still.) Alarm caused by steam escaping through the roof of stable corner of Elm and Pleasant streets, owned and occupied by Kirby & Hicks. Responded to by men from Central Station. No loss.

June 24, 9 A. M. (Still.) Chimney fire in house No. 173 Cedar street, owned by Thomas S. Sayers, and occupied by Herbert Potter. Responded to by men from No. 5 Station. No loss.

June 28. (Still.) Fire in house corner Water and Delano streets. Caused by sparks in bed. Responded to by men from No. 6 Station. No loss.

July 4, 10.30 P. M. Box 14. Fire in shop on Purchase street, near Campbell, owned by C. H. Waite and occupied by Max Levy. Cause, incendiary. Responded to by Companies 1 and 5, Hook and Ladder 1 and Hose 1. Loss on building \$250. Insurance \$2000. Loss on contents \$678. Insurance \$1200.

July 5, 7.05 A. M. (Still). Chimney fire in house on Grinnell street, near County, owned and occupied by N. P. Sowle. Responded to by men from No. 4 Station. No loss.

July 11. (Still). Fire in blacksmith shop on Mechanics lane, occupied by E. M. Durfee. Cause, sparks from chimney. Extinguished by employees. Loss on building \$4.86. Insurance \$700.

July 14, 9.30 A. M. Box 53. Fire in barn, rear of 391 Rivet street, owned and occupied by Adolph Dufresne. Cause, unknown. Responded to by Companies 4 and 6, Hook and Ladder 3 and Hose 1. Loss on building \$25. Insurance \$5000.

July 15. Box 48. Fire in stable on South Water street, owned and occupied by Moses Goldstein and Aaron Simansky. Cause, unknown. Companies responding, Engines 4 and 6, Hook and Ladder 3 and Hose 1. Loss \$100. No insurance.

July 15, 4 a. m. Box 3. Fire in house on Belleville avenue, owned by George F. Bartlett and occupied by William Douth. Responded to by Hancock Co. No. 9. Cause, defective chimney. Loss on building \$265. Insurance \$1500.

July 19, 3.25 A. M. Box 15. Fire in naptha wagon belonging to Benjamin Dias. Caused by filling lamps while lighted. Responded to by Companies 5 and 7, Hook and Ladder 1 and Hose 2. Loss \$20. No insurance.

July 23, 7 A. M. Box 57. Fire in dwelling house No. 52 Winsor street, owned by Daniel Burns and occupied by James Cooper and P. McDonald. Cause, explosion of kerosene stove. Responded to by Engines 4 and 6, Hook and Ladder 3 and Hose 1. Loss on building \$454. Insurance \$2000.

July 24. Box 125. Fire in building 837 Acushnet avenue, owned by Grinnell Manufacturing Co. and occupied by Frank Hartman. Caused by rags placed too near range. Responded to by Companies 1 and 7, Hook and Ladder 2 and Hose 2. No loss.

July 24, 2.30 P. M. (Still). Caused by explosion of oil stove in house on Mitchell street, occupied by T. Lloyd. No loss.

July 25, 1 A. M. (Still). Chimney fire in house corner Purchase and Mill street, occupied by Mrs. Abbie Macomber. Responded to by men from Central Station. No loss.

July 25, 4.30 P. M. Fire in lunch wagon on Purchase street. Cause, explosion of oil stove. Responded to by men from No. 1 Station. No loss.

July 31, 8.30 P. M. Box 135. Fire in shoe shop 242 Coggeshall street, owned by Considine Bros. and occupied by Charles Goldberg. Cause, explosion of kerosene lamp. Responded to by Companies 1 and 7, Hook and Ladder 2, and Hose 2. No loss.

August 1, 10 P. M. Box 125. Fire in planing mill No. 31 Bowditch street, owned and occupied by E. Fournier & Sons. Cause, incendiary. Responded to by Companies 1 and 7, Hook and Ladder 2, and Hose 2. No loss.

August 2, 6.45 A. M. (Still). Chimney fire in house 35 Eighth street, owned by Mrs. Swain, and occupied by Phebe W. Gifford. Responded to by men from Central Station. No loss.

August 9, 1.10 P. M. Box 56. Fire in jewelry store 854 South Water street, occupied by B. Gorner. Cause, explosion of chemicals. Responded to by Companies 4 and 6, Hook and Ladder 3, and Hose 1. No loss.

August 15. (Still). Chimney fire in house on Rockdale avenue, owned and occupied by G. W. Otley. Responded to by men from No. 5 Station. No loss.



August 20, 4 P. M. Box 36. Fire in machine shop on South Water street, owned by heirs of Jonathan Bourne, and occupied by E. L. Besse and others. Cause, explosion of boiler. Responded to by Companies 2 and 4, Hook and Ladder 1, and Hose 1. No loss by fire.

Sept. 11. Box 226. Fire in a dry goods box on Front street, set by boys. Responded to by Companies 1, 2 and 5, Hook and Ladder 1, and Hose 1. No loss.

Sept. 14, 9.20 P. M. Box 58. Fire in house on Stapleton street, owned by Michael Stapleton, and occupied by F. C. Grimshaw. Cause, explosion of oil lamp. Loss on building \$600. Insurance \$1500. Loss on contents \$100. No insurance.

Sept. 17, 2 A. M. (Still). Fire in bake shop on Weld street, occupied by Mr. Kehn. Cause, boxes to near oven. Responded to by men from Weld street Station. No loss.

Sept. 20, 9 P. M. Box 123. Fire in barn on Acushnet avenue, owned by Mrs. Arabella T. Briggs and occupied by Henry T. Ashley. Cause, incendiary. Responded to by Companies 1 and 8, Hook and Ladder 2, Hose 2. Loss on building \$475. Insurance \$2000. Loss on contents \$300. No insurance.

Sept. 21, 8.55 A. M. (Still). Fire in house 54 Durfee street, owned by James Tripp and occupied by Sumner Hammond. Responded to by men from No. 7 Station. No loss.

Sept. 22, 2.15 P. M. (Still). False alarm, caused by heat melting fire alarm signal wires on William H. Washburn's planing mill. Responded to by men from Central Station. No loss.

Sept. 22, 10 P. M. (Still). Fire in ruins of barn on Acushnet avenue, owned by Mrs. A. T. Briggs. Cause, smouldering embers. Responded to by men from No. 8 Station. No loss.

Sept. 26, 1 A. M. False alarm from Standard building. Responded to by men from Central Station.

Sept. 27, 5.30 P. M. Box 34. Fire in machine shop on Rodman street, occupied by Luscomb & Cory. Cause, sparks from chimney. Responded to by Companies 2 and 4, Hook and Ladder 1, and Hose 1. No loss.

Sept. 28, 6.30 P. M. Box 34. Fire in house on Union street, belonging to estate of T. D. Eliot, and occupied by Mrs. Travers. Caused by spark in clothes. Responded to by Companies 2 and 4, Hook and Ladder 1, and Hose 1. No loss.

Sept. 30, 4.30 P. M. Box 13. Fire in house Willow street and Shawmut avenue, owned by T. Franklin Gay. Cause, overheated stove. Responded to by Companies 5 and 7, Hook and Ladder 2, and Hose 1 and 2. Loss on building \$200. Insurance \$1500. Loss on contents \$150. No insurance.

Oct. 1, 10 P. M. Box 123. Fire in barn on Davis street, owned and occupied by Edward Canney. Cause, incendiary. Responded to by Companies 1 and 8, Hook and Ladder 2, Hose 1 and 2. Loss on building \$500. Insurance \$500.

Oct. 1, 9.30 A. M. (Still). Chimney fire in house on Hawthorn street, owned and occupied by Gilbert Allen. Responded to by men from No. 4 Station. No loss.

Oct. 2, 1 P. M. Box 21. Fire in pattern shop on North and Water streets, occupied by L. R. Washburn. Cause, boys. Responded to by Companies 1, 2 and 5, Hook and Ladder 1, and Hose 1. No loss.

Oct. 9, 8 A. M. Box 123. Fire in house on Dean street, owned by John K. Smith and occupied by Joseph Roseberry and others. Cause, explosion of oil stove. Responded to by Companies 1 and 8, Hook and Ladder 2, and Hose 1 and 2. Loss on building \$480. Insurance \$2000. Loss on contents \$100. No insurance.

Oct. 10, 11 P. M. Box 46. Fire in blacksmith shop 424 South Water street, owned and occupied by William D. Sherman. Cause, sparks from forge. Responded to by Companies 4 and 6, Hook and Ladder 3, and Hose 1. No loss.

Oct. 16, 6.40 P. M. Box 3. Fire in barn near Lund's Corner, owned and occupied by Simeon Hawes. Cause, incendiary. Responded to by Companies 8 and 9, Hook and Ladder 2, and Hose 2. Loss on building \$500. Insurance \$500. Loss on contents \$255. Insurance \$300.

Oct. 19, 4.20 P. M. Box 84. Fire in iron foundry, foot of Cannon street, belonging to estate of Jonathan Bourne and occupied by Smith & Carleton. Cause, sparks from cupola. Companies responding 2, 4 and 6, Hook and Ladder 3, and Hose 1. Loss on building \$275. Insurance \$4250. Loss on contents \$30. Insurance \$500.

Oct. 20. (Still). Fire in house 310 South Front street, occupied by Joseph Belrose. Cause, sparks in bed. Responded to by men from No. 4 Station. No loss.

Oct. 21. (Still). Chimney fire in house on Pleasant street. Responded to by men from No. 1 Station. No loss.

Nov. 5. Fire in soap factory near Nash road, occupied by Joseph Farley. Cause, incendiary. Loss \$15. No insurance.

Nov. 14. Box 127. Fire in crockery store on Purchase street, occupied by Lee & Levy. Cause, lamp dropping from ceiling. Responded to by Companies 1 and 7, Hook and Ladder 2, and Hose 1 and 2. Loss on building \$15. Insurance \$1000. Loss on stock \$12. No insurance.

Nov. 18, 4.40 P. M. Box 24. Fire in carriage shop on Kempton street, owned by John Burgess and occupied by W. L. Davis. Cause, sparks from lamp. Responded to by Companies 5 and 7, Hook and Ladder 1, and Hose 1. Loss on building \$25. Insurance \$400. Loss on contents \$125. Insurance \$400.

Dec. 1, 12.30 A. M. (Still). Fire in building 862 Acushnet avenue, owned by Josephine O'Neil, and occupied by Joseph Keil. Cause, lighted lamp to near wood work. Responded to by men from Weld street Station. Loss on building \$35. Insurance \$2200. Loss on contents \$50. Insurance \$1275.

Dec. 2. Box 135. Fire in clothing store North Front and Coggeshall streets, owned by John Smith, and occupied by C. & E. La Vasseur. Cause, falling of lamp. Responded to by Companies 1 and 8, Hook and Ladder 2, Hose 1 and 2. Loss on building \$65. Insurance \$3000. Loss on contents \$950. Insurance \$3000.

Dec. 4, 9.30 A. M. (Still). Fire in coal yard foot of Pine street, owned and occupied by A. W. Holmes. Cause, spontaneous. Responded to by men from No. 4 Station. No loss.

Dec. 6, 2 P. M. (Still). Fire in dwelling house and store corner of Second and Madison streets, owned by E. B. Smith, and occupied by Daniel Baker. Cause, defective chimney. Responded to by men from No. 4 Station. Loss on building \$25. No insurance.

Dec. 7, 7.15 P. M. (Still). Fire in house corner County and Bedford streets, owned and occupied by Mrs. Moses Davis. Cause, boiler tubes blew out. Responded to by men from No. 4 Station. No loss.

Dec. 11, 1.30 P. M. (Still). Chimney fire in house corner Orchard and Hawthorn streets, owned and occupied by Mrs. Edmund Grinnell. Responded to by men from No. 4 Station. No loss.

Dec. 11. (Still). Chimney fire in house No. 276 Purchase street, occupied by Daniel Morris. Responded to by men from Central Station. No loss.

Dec. 15, 8.40 A. M. (Still). Chimney fire in house No. 108 Grinnell street, owned and occupied by William R. Jennings. Responded to by men from No. 4 Station. No loss.

Dec. 18, 11.15 P. M. (Still). Fire in electric car on Dartmouth street, belonging to Union Street Railroad Co. Cause, defective motor. Responded to by men from No. 4 Station. No loss.

Dec. 20. Box 227. Fire on New Bedford & Fairhaven bridge. Cause, leaky gas pipe. Responded to by Companies 1, 2 and 5, Hook and Ladder 1, and Hose 1. No loss.

Dec. 21, 4 P. M. Box 14. Fire in shop on Purchase street, near Willis, owned by James Andrews, and occupied by Joseph G. Hellyar. Cause, explosion of can of naphtha. Responded to by engines 1 and 5 Hook and Ladder 1, and Hose 1. Loss on building \$30. Insurance \$800. Loss on stock \$20. No insurance.

Dec. 21, 5.30 P. M. Box 26. Fire in shed near Second and Middle streets, owned and occupied by James E. Blake. Cause, spontaneous combustion. Responded to by Companies 1, 2 and 5, Hook and Ladder 1, and Hose 1. Loss on building \$2.15. Insurance \$250. Loss on contents \$125.17. Insurance \$1,258.33.

Dec. 24, 9.15 P. M. Box 26. Fire in house corner of Second and Middle streets, occupied by Mrs. McGowan. Cause, careless dropping of match. Responded to by Companies 1, 2 and 5, Hook and Ladder 1, and Hose 1. No loss.

Dec. 28. (Still). Chimney fire in house on County street, occupied by Rev. E. S. Rousmaniere. Responded to by men from No. 4 Station. No loss.

The following is the amount of losses by fire in this city for the past nineteen years, together with the amount of insurance on same :

Years.	Loss.	Insurance.
1877,	\$26,063.66	\$21,528.36
1878,	28,154.46	66,025.00
1879,	9,163.16	54,950.00
1880,	7,609.13	49,450.00
1881,	26,624.96	86,979.00
1882,	23,169.64	692,950.00
1883,	17,398.14	77,450.00
1884,	134,729.82	310,950.00
1885,	6,982.41	148,025.00
1886,	26,786.03	1,108,800.00
1887,	45,141.50	708,150.00
1888,	32,881.87	125,927.00
1889,	42,285.71	182,772.00
1890,	18,145.02	71,300.00
1891,	43,032.65	297,487.13
1892,	73,947.46	271,710.00
1893,	94,516.21	231,375.00
1894,	28,481.98	186,850.00
1895,	55,607.61	209,233.33

## Fire Alarm Telegraph, 1895.

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SUPERINTENDENT.

FREDERICK MACY, Chief Engineer.

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ASSISTANT SUPERINTENDENT.

DANIEL D. BRIGGS.

Residence, 43 Bedford street; Office, City Hall.

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### LOCATION OF SIGNAL BOXES.

- No. 3. Lund's Corner.
4. Acushnet Heights, near reservoir.
  123. Acushnet avenue and Davis street.
  124. Acushnet avenue and Sawyer street.
  125. Corner Bowditch and Weld streets.
  126. Cedar Grove and North Front streets.
  127. Purchase and Linden streets.
  128. County and Penniman streets.
  129. Purchase street and Coffin avenue.
  134. Belleville avenue and Nye street.
  135. Belleville avenue and Coggeshall street.
  5. Linden and Ashland streets.
  6. Hazard and State streets.
  7. Purchase and Franklin streets.
  8. County and Pearl streets.
  9. Wamsutta street and Acushnet avenue.
  12. Shawmut avenue and Durfee street.
  13. Cedar and Locust streets.
  14. Purchase and Willis streets.
  15. Smith and Cedar streets.



16. County and Hillman streets.
17. Maxfield street and Acushnet avenue.
18. Purchase and North streets.
19. State and Sycamore streets.
21. North and Water streets.
23. Kempton, west of Florence street.
24. Kempton and Cedar streets.
25. County and Kempton streets.
26. Water and Middle streets.
27. Purchase street and Mechanic's Lane.
28. Court and Cedar streets.
29. Arnold and Ash streets.
31. Acushnet avenue and Union street.
32. Union and Eighth streets.
34. Union and Water streets.
35. Fourth and School streets.
36. Walnut and Water streets.
37. Madison and Orchard streets.
38. Bedford and Sixth streets.
39. Acushnet avenue and Cannon street.
41. Hawthorn and Page streets.
45. Allen and Bonney streets.
46. South Water and Leonard streets.
47. Junction of Sixth and County streets.
48. Water and South streets.
51. Dartmouth and Rockland streets.
52. Fourth street, head of Potomska.
53. Crapo and Rivet streets.
56. South Water and Rivet streets.
57. Mosher and County streets.
58. South Water and Cove streets.
223. Court and Tremont streets.
226. Rodman and Front Streets.
227. New Bedford and Fairhaven Bridge.
- \*61. Union Street Railway Car Stables.
- \*62. Grinnell Mill.
- \*63. Wamsutta Mills.
- \*64. New Bedford Manufacturing Co.
- \*65. Hathaway, Soule & Harrington.
- \*67. New Bedford Cordage Factory.
- \*68. New Bedford Copper Works.
- \*71. Pairpoint Manufacturing Co.
- \*72. George Delano's Sons & Co's Works.
- \*73. Potomska Mills.
- \*74. Acushnet Mills.

- \*75. Morse Twist Drill Co.
- \*76. City Manufacturing Co.
- \*78. Dartmouth Mills.
- \*81. Howland Mills.
- \*82. Hathaway Mill.
- \*83. Rotch Mill.
- \*84. Iron Foundry, foot of Cannon street.
- \*85. New Bedford Gas Works.
- \*86. Old Colony Steamboat Co.
- \*91. Bennett Mills.
- \*92. New Bedford Casket Co.
- \*93. Pierce Mills.
- \*94. Old Colony Freight Depot, Pearl street.
- \*95. Bristol Mills.
- \*96. Columbia Mills.
- 42. Allen and Page streets.
- 116. Hillman and Ash streets.
- 581. City Almshouse.
- \*97. Whitman Mills.

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\*Private boxes.

## LIST OF FIRE ALARM KEYS FOR 1895.

1 S. C. Hart's residence.	49 Police.
2 A. C. Tripp.	50 "
3 David Moncrief.	51 "
4 Engine house No. 1.	52 "
5 George A. Bourne.	53 "
6 Andrew M. Swift.	54 "
7 Silas Dammon.	55 "
8 Engine house No. 5.	56 Mrs. A. H. Howland.
9 George Deane.	57 House N. W. corner Water and
10 H. H. Fisher.	Rivet.
11 Store N. W. cor. Kempton and	58 Henry H. Fisher.
Cedar.	59 J. P. Kennedy.
12 Lost.	60 Police.
13 House 59 Middle street.	61 Edward Hughes, cor. Acush-
14 Engine house No. 2.	net and Coffin avenues.
15 County Jail office.	62 Police.
16 J. D. Thompson's residence.	63 Horace G. Howland.
17 Charles Taber.	64 William G. Howland.
18 William H. Sherman's stable.	65 New Bedford Gas Co.
19 Hart & Akin.	66 Hasting's coal yard.
20 Henry Taber's residence.	67 Holmes' coal yard.
21 Engine house No. 4.	68 L. T. Parlow.
22 Thomas B. Tripp.	69 Lost.
23 Green & Wood Mfg. Co.	70 S. C. France.
24 Cornell's stable.	71 Police.
25 Delano's oil works.	72 Frederick Macy.
26 B. Dawson.	73 George H. Bliss.
27 William Hindle.	74 Chief Engineer's office.
28 Store N. W. corner Cedar and	75 George L. Brownell.
Smith.	76 James M. Tripp.
29 Lost.	77 Potomska Mills.
30 Edwin Dews.	78 Police.
31 J. B. Ashley.	79 "
32 James E. Blake.	80 "
33 House 201 Cedar street.	81 "
34 Police.	82 Rufus A. Soule.
35 Store N. W. corner Arnold and	83 William H. Sherman.
Ash.	84 Police.
36 Jireh Swift.	85 "
37 J. L. Paddock.	86 Wamsutta Mills gate office.
38 Mrs. Joseph Reed.	87 Adoniram Negus.
39 C. G. Taber, Campbell street.	88 Chief Engineer's office.
40 Mrs. C. M. Pierce, Jr.	89 Wamsutta Club House.
41 Stable, Fourth and Spring.	90 Police.
42 Mercury Office.	91 "
43 Store cor. Grinnell and Sixth.	92 "
44 Store S. W. corner Water and	93 "
South.	94 "
45 Lost.	95 "
46 Robinson's oil works.	96 "
47 N. W. cor. Acushnet avenue	97 "
and Maxfield street.	98 "
48 Denison Bros. N. Mill.	99 "

100 Police.  
 101 "  
 102 "  
 103 "  
 104 "  
 105 "  
 106 "  
 107 "  
 108 "  
 109 "  
 110 "  
 111 "  
 112 "  
 113 "  
 114 "  
 115 "  
 116 "  
 117 "  
 118 "  
 119 "  
 120 D. D. Briggs.  
 121 Police.  
 122 E. C. Milliken.  
 123 Marcus W. Taber.  
 124 Rodolphus Beetle.  
 125 Soap factory, corner Water and  
     Middle streets.  
 126 Henry T. Wood's residence.  
 127 Coal pockets, foot of Walnut  
     street.  
 128 Snell's bakery.  
 129 A. H. Rhodes.  
 130 R. S. Lawton.  
 131 George A. Taylor.  
 132 L. G. Hewins, Jr.  
 133 C. S. Paisler.  
 134 Lost.  
 135 Hathaway & Soule's factory.  
 136 Henry Howard.  
 137 Mt. Washington Glass Co.  
 138 A. M. Pierce.  
 139 F. A. Sowle's Mill.  
 140 S. P. Richmond's bakery.  
 141 E. H. Martin.  
 142 Police.  
 143 George A. Cobb.  
 144 A. Harrington.  
 145 E. C. Taber.  
 146 Engine No. 9.  
 147 Hersom's soap factory.  
 148 Police.  
 149 "  
 150 "  
 151 "  
 152 "  
 153 "

154 Police.  
 155 "  
 156 William Lowe's residence.  
 157 James Wilson.  
 158 No. 6 Engine house.  
 159 George W. Parker.  
 160 House S. W. cor. Acushnet av-  
     enue and Maxfield street.  
 161 D. Bromley.  
 162 Thomas Donaghy.  
 163 William A. Pease.  
 164 Police.  
 165 Henry W. Kenyon.  
 166 Police.  
 167 "  
 168 W. F. Wheaton.  
 169 T. B. Rowe.  
 170 Store corner Allen and Dart-  
     mouth streets.  
 171 George F. Luscomb.  
 172 Thomas Pelan  
 173 William Osgood.  
 174 Roland Ashley.  
 175 John H. Lowe.  
 176 William J. Marr.  
 177 John Thompson.  
 178 John Lincoln.  
 179 L. T. Terry.  
 180 J. W. Lavers.  
 181 Chief Engineer's house.  
 182 Horse car stable, Purchase st.  
 183 A. F. Brownell.  
 184 Henry La Roque.  
 185 D. A. Snell's house.  
 186 Abram Francis.  
 187 O. G. Brownell.  
 188 John Wing.  
 189 Engineer of steamer No. 6.  
 190 Chief Engineer's office.  
 191 T. M. Hart.  
 192 Jonathan Bourne's house.  
 193 House 510 Acushnet avenue.  
 194 Mt. Washington Glass Co.  
 195 Acushnet Mills.  
 196 Grinnell Mills.  
 197 " "  
 198 Pairpoint Mfg. Co.  
 199 Grinnell Mills.  
 200 N. B. Cordage Co.  
 201 Wamsutta Mills.  
 202 N. B. Cordage Co.  
 203 " "  
 204 " "  
 205 " "  
 206 Acushnet Mills.  
 207 " "

208	Wamsutta Mills.	263	George B. Wheeler.
209	" "	264	Mrs. Leonard.
210	" "	265	F. A. Sowle.
211	" "	266	C. S. Kelley.
212	Grinnell Mill.	267	Horse car stable, Purchase st.
213	N. B. Mfg. Co.	268	Police.
214	Hathaway & Soule.	269	"
215	Potomska Mills.	270	"
216	Hathaway & Soule.	271	John Lowe's store.
217	Potomska Mills.	272	J. M. Lyons.
218	" "	273	John Lowe.
219	" "	274	Henry L. Dunham.
220	N. B. Mfg. Co.	275	William F. West.
221	" "	276	Benjamin H. Reed.
222	" "	277	C. K. Turner.
223	" "	278	Horse car stable, Purchase st.
224	Hathaway & Soule.	279	N. B. & N. Y. Steamship Co.
225	" "	280	Charles S. Randall.
226	M. T. D. & Machine Co.	281	Police.
227	" "	282	"
228	" "	283	"
229	" "	284	Smith Brothers.
230	N. B. Copper Co.	285	I. H. Shurtleff.
231	" "	286	Gate tender's lodge, Wamsutta street.
232	" "	287	C. O. Andrews.
233	Selma Eggers.	288	Orphan's Home.
234	N. B. Copper Co.	289	J. P. Taylor's residence.
235	Delano's oil works.	290	Rural cemetery.
236	House corner Hazard and State streets.	291	George L. Brownell.
237	Pierce & Bushnell Mfg. Co.	292	A. H. Covel.
238	D. D. Briggs.	293	Collamore.
239	George W. Hillman.	294	Engineer steamer No. 2.
240	James H. Sherman.	295	O. F. Bly.
241	Delano's oil works.	296	L. A. Plummer's residence.
242	" "	297	Dr. Knowles' residence.
243	" "	298	Edward D. Mandell's residence.
244	Police.	299	F. S. Potter's residence.
245	"	300	Loum Snow's residence.
246	"	301	Hook & Ladder No. 2.
247	"	302	House 83 Dartmouth street.
248	"	303	John Sweeney.
249	"	304	Greene & Wood Mfg. Co.
250	"	305	John Smith.
251	John Ward.	306	William H. Washburn.
252	Louis H. Richardson.	307	Horse car stable, Weld street.
253	N. B. Gas Co.	308	Bowker & Tripp.
254	" "	309	Walter Clifford's residence.
255	" "	310	King Mfg. Co.
256	" "	311	Police.
257	" "	312	"
258	" "	313	"
259	" "	314	"
260	W. K. Wagner.	315	"
261	R. S. Taber.	316	"
262	Pairpoint Mfg. Co.	317	N. W. cor. South and Water sts

318 Smith & Carleton Iron Co.	369 Bennett Mills.
319 Opera House office.	370 Hathaway Mills.
320 T. W. Croacher, lumber shed.	371 " "
321 No. 9 Eighth street.	372 Police
322 Police.	373 " "
323 Janitor Opera House.	374 " "
324 Engineer of steamer No. 4.	375 " "
325 George Crapo.	376 " "
326 S. C. Lowe's house.	377 " "
327 Charles Taber.	378 S. A. Brownell.
328 J. W. Howland.	379 L. Bartel.
329 J. H. Platt.	380 E. C. Gardiner.
330 H. A. Blackmer.	381 John A. Gomley.
331 A. B. Kimball.	382 Peter F. Sullivan.
332 John O'Brien.	383 William H. Rankin.
333 Mrs. Farley.	384 Engineer steamer No. 1.
334 Levi W. Brawley.	385 Police.
335 House S. E. cor. North Front and Cedar Grove streets.	386 " "
336 Captain J. Sherman.	387 " "
337 W. P. Booth.	388 " "
338 F. Russell.	389 " "
339 Police.	390 " "
340 Howland Mills.	391 " "
341 " "	392 " "
342 " "	393 " "
343 " "	394 " "
344 City Mfg. Co.	395 " "
345 " "	396 " "
346 " "	397 Clark Underwood.
347 " "	398 Edison light station.
348 John Duff.	399 A. G. Howland.
349 T. M. Stetson's residence.	400 J. J. Howland.
350 Police.	401 Alfred R. Bucklin.
351 " "	402 Engineer steamer No. 7.
350 c. Gas Co.	403 Department lineman.
351 c. Gas Co.	404 E. E. Enos.
352 Bennett Mill.	405 Smith & Carleton Iron Co.
353 " "	406 " " "
352 D. Police.	407 Bunker's drug store.
353 D. Police.	408 E. E. Enos's drug store.
354 Ullman Mfg. Co.	409 Charles H. Brownell.
355 " "	410 E. W. Hervey's residence.
356 Hathaway Mills.	411 S. A. Brownell's residence.
357 " "	412 Smith & Carleton Iron Co.
358 Morgan Rotch's residence.	413 " " "
359 Engine No. 7.	414 Police.
360 Blossom Bros.' planing mill.	415 Henry Ashley, residence.
361 Wm. C. Taber, Jr., residence.	416 Luscomb & Cory's machine shop.
362 Howland Mills village.	417 Wade's currier shop.
363 " " "	418 James Burke, residence.
364 " " "	419 Bliss & Nye, store.
365 Gas Co.	420 D. B. Folger, store.
366 Gas Co.	421 Harrington school.
367 Ullman Mfg. Co.	422 Rhodes' eyelet factory.
368 " "	423 " " "



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|-------------------------------------|-------------------------------------|
| 424 Handy's iron store.             | 475 Patnaude's store.               |
| 425 Old Colony freight.             | 476 E. Ryan, residence.             |
| 426 " " "                           | 477 Covill, druggist.               |
| 427 Old Colony Steamship Co.        | 478 Peter Sullivan, residence.      |
| 428 " " " "                         | 479 N. E. cor. Sawyer and Acush-    |
| 429 Allen Tinkham.                  | net avenue.                         |
| 430 Old Colony freight.             | 480 Orville Cranston.               |
| 431 " " "                           | 481 Police.                         |
| 432 " " Steamship Co.               | 482 " "                             |
| 433 " " " "                         | 483 " "                             |
| 434 Capt. T. D. Howland.            | 484 " "                             |
| 435 Henry Smith.                    | 485 " "                             |
| 436 Rotch Mills.                    | 486 " "                             |
| 437 " " "                           | 487 " "                             |
| 438 Pierce Mills.                   | 488 " "                             |
| 439 " " "                           | 489 " "                             |
| 440 Bristol Mills.                  | 490 " "                             |
| 441 " " "                           | 491 Corner Chestnut and Parker      |
| 442 Jason Ballou.                   | streets.                            |
| 443 Samuel Watson.                  | 492 I. B. Tompkins, residence.      |
| 444 Columbia Mills.                 | 493 Henry Richmond, residence.      |
| 445 " " "                           | 494 William McCann.                 |
| 446 Janitor Swain school.           | 495 Cleveland's bakery.             |
| 447 William Taylor.                 | 496 Office.                         |
| 448 A. A. Wood.                     | 497 Hedge & Lewis, button fac-      |
| 449 Watchman at Charles Taber's.    | tory.                               |
| 450 House S. W. corner Water and    | 498 L. W. Hayes, stave mill.        |
| Middle streets.                     | 499 Ordway Chair Co.                |
| 451 J. H. D. Brown's residence.     | 500 Police.                         |
| 452 William Taylor's residence.     | 504 " "                             |
| 453 B. Groves, 146 Union street.    | 505 James H. Bamford.               |
| 454 House 319 Belleville avenue.    | 506 J. F. Hoyer, 44 No. Water st.   |
| 455 Store N. W. cor. Belleville av- | 507 J. J. Donaghy.                  |
| enue and Coggeshall street.         | 508 T. B. Rowe, Jr., Standard Oil   |
| 456 Fortin Block, N. E. corner.     | Co.                                 |
| 457 Randall's lumber yard.          | 509 Herbert Tripp.                  |
| 458 Paper Mill, Hastings' wharf.    | 510 Peter Crapo's stable.           |
| 459 A. D. Duval's store, Acushnet   | 511 Store N. W. cor. Purchase and   |
| avenue.                             | Middle.                             |
| 460 Pope House, Acushnet avenue.    | 512 W. A. Pease, County and         |
| 461 Marshall Greene, residence.     | Kempton.                            |
| 462 Martin Fichtenmeyer, resi-      | 513 City stables.                   |
| dence.                              | 514 " "                             |
| 463 Store cor. Bonney and Rock-     | 515 Perkins & Chase, Hillman and    |
| land streets.                       | Ash.                                |
| 464 Rotch Mills.                    | 516 Baylies' grain store, Front st. |
| 465 Samuel France, residence.       | 517 A. H. Potter's residence.       |
| 466 Rotch Mills.                    | 518 City Almshouse.                 |
| 467 Pierce Mills.                   | 519 " "                             |
| 468 " " "                           | 520 Theodore Baylies.               |
| 469 Clarence Cook, residence.       | 521 Harry Tinkham.                  |
| 470 Bristol Mills.                  | 522 " "                             |
| 471 " " "                           | 523 M. H. McIntyre's residence.     |
| 472 Wilson & Knapp Casket Co.       | 524 William A. Reed's residence.    |
| 473 Columbia Mills.                 | 525 W. Wheaton's, School and        |
| 474 " " "                           | First.                              |

526	Manuel Joseph's store, Allen street.	564	Mt. Pleasant mill.
527	J. Savage, residence, Allen st.	565	Onoko Mill office.†
528	Chas. H. Gifford's residence, County street.	566	Nye's Oil Works, Fish Island.
529	Engineer steamer No. 8.	567	D. Duff's coal office, " "
530	F. W. Brightman.	568	Draw-tender, Fairha'n bridge.
531	Police department.	569	Street car power house.
532	" "	570	A. Brightman.
533	Joseph W. Spooner.	571	Onoko Mill.
534	Police department.	572	John Footman's residence.
535	" "	573	Capt. Jas. Wilber's residence.
536	" "	574	House N. E. cor. Sycamore and State streets.
537	" "	575	Street car house, Weld street.
538	" "	576	William Swift, 21 Sycamore.
539	" "	577	Chas. Underwood's residence.
540	" "	578	Thomas Mack.
541	" "	579	Capt. Wm. Russell.
542	" "	580	Edward S. Maxfield.
543	" "	581	Whitman Mill.
544	Ellis Howland.	582	" "
545	Police department.	583	" "
546	" "	584	" "
547	" "	585	M. Pope Wood, Pope's Island.
548	" "	586	Pope's Island Manuf'g Co., Pope's Island.
549	" "	587	
550	" "	588	
551	" "	589	
552	" "	590	Store S. E. cor. County and Kempton.
553	" "	591	
554	" "	592	
555	" "	593	
556	" "	594	
557	Engineer engine No. 5.	595	
558	David E. Bliss.	596	
559	T. S. Corson's coal office.	597	
560	First house south of box 59.	598	E. Wright, N. E. cor. School and Acushnet avenue.
561	Store S. E. cor. Dartmouth and Rivet.	599	Arthur Weeks.
562	Mt. Pleasant Mill.	600	W. Kennedy.
563	Gate tenders lodge, near mill.		

## Location of Reservoirs.

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Durfee street, southeast corner of Shawmut avenue.  
Linden street, northeast corner of Ashland.  
Franklin street, southwest corner of State.  
Willis street, northeast corner of State.  
Campbell street, west side of Purchase.  
Smith street, southeast corner of Cyprus.  
Pleasant street, between Maxfield and Sycamore.  
County street, southeast corner of Maxfield.  
Pleasant street, southwest corner of North.  
Chestnut street, between Mill and North.  
Mill street, southwest corner of Purchase.  
Middle street, near southeast corner of Purchase.  
Middle street, west of grammar school.  
County street, front of M. E. church.  
North Second street, northwest corner of William.  
City Hall square, west of hall.  
Court street, near head of Orchard.  
Union street, southwest corner of County.  
Union street, southeast corner of Fourth.  
School street, northwest corner of Fourth.  
South Second street, northwest corner of Walnut.  
South Sixth street, northwest corner of Walnut.  
Orchard street, east side, below Hawthorn.  
Russell street, between County and South Sixth.  
Acushnet avenue, southeast corner of Cannon.  
Bedford street, southeast corner of Fifth.  
South Sixth street, southwest corner of Wing.  
Acushnet avenue, southeast corner of Grinnell.  
Washington street, northeast corner of Crapo.

## LOCATION OF HYDRANTS.

	Pressure in lbs.
Acushnet avenue, west side, 542 feet north of Tarkiln Hill road. . .	54
Acushnet avenue, southwest corner Tarkiln Hill road. . . . .	55
Acushnet avenue, west side, south of Tarkiln Hill road 500 feet. . .	54
Acushnet avenue, west side, south of Tarkiln Hill road 997 feet. . .	53
Acushnet avenue, west side, north of North Belleville road 600 feet.	53
Acushnet avenue, west side, north of North Belleville road 6 feet. .	54
Acushnet avenue, west side, south of North Belleville road 601 feet.	55
Acushnet avenue, west side, north of Shaw 610 feet. . . . .	51
Acushnet avenue, northwest corner of Shaw. . . . .	47
Acushnet avenue, west side, north of South Belleville road 603½ feet.	45
Acushnet avenue, west side, head of South Belleville road. . . . .	42
Acushnet avenue, northwest corner of Nash road. . . . .	40
Acushnet avenue, northwest corner of Hathaway avenue. . . . .	40
Acushnet avenue, northwest corner of Davis. . . . .	41
Acushnet avenue, southwest corner of Phillips avenue. . . . .	39
Acushnet avenue, southwest corner of Dean. . . . .	48
Acushnet avenue, west side, north of Sawyer 574½ feet. . . . .	53
Acushnet avenue, southwest corner of Coggeshall. . . . .	56
Acushnet avenue, southwest corner of Cedar Grove. . . . .	54
Acushnet avenue, west side, south of Logan 335 feet. . . . .	60
Acushnet avenue, west side, north of Wamsutta 514 feet. Double.	62
Acushnet avenue, west side, north of Wamsutta 372 feet. . . . .	60
Acushnet avenue, west side, south of Wamsutta 255 feet. Flush. .	63
Acushnet avenue, west side, at end of Wall street. . . . .	62
Acushnet avenue, southeast corner of Pope. Flush. . . . .	64
Acushnet avenue, northwest corner of Willis. Flush. . . . .	61
Acushnet avenue, west side, south of Campbell 179 feet. Flush. .	59
Acushnet avenue, northwest corner of Maxfield. Flush. . . . .	57
Acushnet avenue, northwest corner of Kempton. Flush. . . . .	47
Acushnet avenue, northeast corner of Elm. Flush. . . . .	47
Acushnet avenue, northwest corner of School. . . . .	51
Acushnet avenue, northwest corner of Madison. . . . .	57
Acushnet avenue, northwest corner of Russell. . . . .	58

	Pressure in lbs.
Acushnet avenue, northwest corner of Bedford. . . . .	60
Acushnet avenue, west side, opposite Howland. Flush. . . . .	61
Acushnet avenue, northwest corner of Potomska. . . . .	50
Acushnet avenue, west side, north of Rivet 98 feet. . . . .	59
Acushnet avenue, southwest corner of Blackmer. Flush. . . . .	60
Allen street, south side, 445 feet west of Rural. . . . .	26
Allen street, northwest corner of Ward. Flush. . . . .	41
Allen street, north side, east of Page 159 feet. Flush. . . . .	38
Allen street, southwest corner of Page. . . . .	36
Arch street, southwest corner of Union. Flush. . . . .	24
Armour street, southwest corner of Union. . . . .	24
Arnold street, south side, west of Orchard 96 feet. . . . .	22
Arnold street, southwest corner of Chancery. Flush. . . . .	33
Arnold street, southeast corner of Atlantic. Flush. . . . .	32
Arnold street, south side, 15.3 feet west of James. . . . .	24
Ash street, northwest corner of Middle. . . . .	27
Ash street, southwest corner of Morgan. Double. . . . .	25
Ash street, northwest corner of Arnold. Flush. . . . .	32
Ash street, northwest corner of Maple. Flush. . . . .	34
Ash street, northwest corner of Bedford. . . . .	37
Ashland street, west side, head of Linden. Flush. . . . .	11
Ashland street, southwest corner of Clark. . . . .	12
Atlantic street, west side, 186 feet south of Arnold. . . . .	29
Atlantic street, southwest corner of Union. . . . .	31
Austin street, southeast corner of State. . . . .	42
Austin street, southwest corner of Purchase. . . . .	56
Austin street, southeast corner of Cedar. . . . .	19
Austin street, south side, on west line of Wilson. . . . .	20
Austin street, southwest corner of Ashland. . . . .	15
Austin street, southeast corner of Shawmut avenue. . . . .	14
Babbitt street, south side, 207.5 feet west of Dartmouth. . . . .	42
Babbitt street, southeast corner of Field. . . . .	37
Bedford street, southwest corner of Fourth. . . . .	53
Bedford street, southwest corner of Fifth. . . . .	55
Bedford street, southwest corner of County. . . . .	42
Bedford street, southwest corner of Orchard. . . . .	33



	Pressure in lbs.
Beech street, northwest corner of Kempton. . . . .	18
Beetle street, southwest corner of Howard . . . . .	55
Beetle street, southeast corner of Front. . . . .	57
Belleville avenue, west side, 118 feet north of Washburn. . . . .	63
Belleville avenue, northwest corner of Cedar Grove. . . . .	62
Belleville avenue, southwest corner of Washburn. . . . .	61
Belleville avenue, west side, 134 feet north of Coggeshall. . . . .	62
Belleville avenue, northwest corner of Beetle. . . . .	60
Belleville avenue, southwest corner of Coffin avenue. . . . .	59
Belleville avenue, southwest corner of Plummer avenue. . . . .	58
Belleville road, south side, 233 feet east of Acushnet avenue. . . . .	38
Blackmer street, south side, east of Front 575 feet. . . . .	63
Bolton road, west side, 370 feet north of Rivet. . . . .	50
Bolton road, west side, north of Rotch Mill No. 2. . . . .	49
Bolton road, west side, south of Rotch Mill No. 2. . . . .	49
Bolton road, west side, south of Rivet 1,027 feet. . . . .	59
Bolton road, northwest corner Poplar road. . . . .	59
Bonney street, southwest corner of Allen. . . . .	41
Bonney street, northwest corner of Grinnell. . . . .	48
Bonney street, northwest corner of Rockland. . . . .	54
Bonney street, southwest corner of Thompson. . . . .	55
Borden street, southwest corner of Bay. . . . .	42
Bowditch street, southwest corner of Weld. . . . .	56
Bowditch street, west side, 313 feet south of Cedar Grove. . . . .	55
Bowditch street, west side, north of Cedar Grove 244 feet. . . . .	55
Bowditch street, northwest corner of Coggeshall. . . . .	49
Bowditch street, west side, 358 feet north of Coffin avenue. . . . .	34
Bridge avenue, north side, 44 feet west of draw. Flush. . . . .	62
Bridge avenue, south side, 11 feet west of draw. Flush. . . . .	62
Brownell street, west side, 294 feet south of Union. . . . .	22
Bullock street, southwest corner of Trinity. . . . .	14
Butler street, south side, 1,635 feet east of Middle Point road. Flush. . . . .	55
Butler street, south side, 287 feet east of Middle Point road. Flush. . . . .	40
Campbell street, south side, east of County 163 feet. Flush. . . . .	28
Campbell street, south side, 216.5 feet west of County. . . . .	25
Campbell street, southwest corner of Cottage. . . . .	19



	Pressure in lbs.
Campbell street, south side, east of Emerson 205 feet. Flush. . . .	18
Campbell street, southwest corner of Purchase. . . . .	49
Cannon street, south side, east of Second 164 feet. . . . .	63
Cedar street, northwest corner of Elm. Double. . . . .	25
Cedar street, southwest corner of Kempton. Flush. . . . .	26
Cedar street, west side, north of Mill 75 feet. Flush. . . . .	23
Cedar street, southwest corner of Hillman. Flush. . . . .	23
Cedar street, northwest corner of Sycamore. Flush. . . . .	21
Cedar street, southwest corner of Campbell. Flush. . . . .	18
Cedar street, southwest corner of Parker. Flush. . . . .	19
Cedar Grove street, southeast corner of Front. . . . .	60
Cedar Grove street, southeast corner of Howard. . . . .	58
Cedar Grove street, south side, 383 feet west of Bowditch. . . . .	57
Cedar Grove street, northwest corner of Purchase. . . . .	56
Cedar Grove street, southwest corner of County. . . . .	43
Cedar Grove street, south side, 183.5 feet west of County. . . . .	40
Centre street, south side, east of Water 85 feet. Flush. . . . .	56
Chancery street, southwest corner of Maple. . . . .	34
Chancery street, west side, north of Arnold 406 feet. . . . .	33
Chancery street, southwest corner of Elm. . . . .	28
Chancery street, west side, south of Parker 176 feet. . . . .	24
Chancery street, west side, 263 feet north of Parker. . . . .	16
Cherry street, southeast corner of Seventh. Flush. . . . .	38
Chestnut street, southwest corner of North. Flush. . . . .	19
Chestnut street, west side, north of Campbell 96 feet. Flush. . . .	22
Church street, southwest corner of Hathaway avenue. . . . .	33
Church street, west side, 591.4 feet north of Coffin avenue. . . . .	36
Clark street, southwest corner of State. . . . .	46
Clark street, south side, 170 feet west of County. . . . .	40
Clay street, northwest corner of Columbia. . . . .	44
Cleveland avenue, west side, 681 feet south of Cove. . . . .	54
Clinton street, south side, east of Orchard 125 feet. Flush. . . . .	26
Clinton street, south side, west of Ash 242.5 feet. . . . .	44
Coffin avenue, southwest corner of Church. . . . .	40
Coffin avenue, south side, opposite Onoko lane. . . . .	40
Coffin avenue, southeast corner of Bowditch. . . . .	40

Pressure  
in lbs.

Coffin avenue, southeast corner of Front. . . . .	50
Coffin avenue, south side, 1,337 feet east of Belleville avenue. . . . .	63
Coffin street, north side, 262 feet east of Water. . . . .	62
Coggeshall street, south side, 654 feet east of Mitchell. . . . .	63
Coggeshall street, south side, 498 feet east of Mitchell. . . . .	62
Coggeshall street, south side, 334 feet east of Mitchell. . . . .	62
Coggeshall street, north side, 148 feet east of Mitchell. . . . .	62
Coggeshall street, southeast corner of Belleville avenue. . . . .	62
Coggeshall street, southwest corner of Front. . . . .	61
Coggeshall street, southwest corner of Purchase. . . . .	53
Coggeshall street, southeast corner of County. . . . .	43
Coggeshall street, south side, 384 feet west of County. . . . .	36
Collins street, southeast corner of Glover. . . . .	15
Columbia street, southwest corner of Allen. . . . .	40
Commercial street, north side, east of Front 82 feet. . . . .	62
Cottage road, south side, 435 feet west of Bolton road. . . . .	55
Cottage street, southwest corner of Bay. . . . .	43
Cottage street, northwest corner of Allen. Flush. . . . .	42
Cottage street, northwest corner of Bedford. Flush. . . . .	37
Cottage street, northwest corner of Hawthorn. Flush. . . . .	31
Cottage street, southwest corner of Arnold. Flush. . . . .	23
Cottage street, southwest corner of Union. Flush. . . . .	22
Cottage street, southwest corner of Kempton. . . . .	22
Cottage street, northwest corner of Hillman. . . . .	20
Cottage street, northwest corner of Sycamore. . . . .	20
Cottage street, northwest corner of Parker. . . . .	23
Cottage street, west side, 237 feet north of Locust. . . . .	20
Cottage street, west side, 92 feet south of Austin. . . . .	17
County street, southwest corner of Sawyer. . . . .	44
County street, southeast corner of Penniman. . . . .	44
County street, west side, 234½ feet south of Clark. . . . .	43
County street, west side, 115 feet south of Weld. . . . .	42
County street, southwest corner of Austin. . . . .	33
County street, northwest corner of Locust. . . . .	24
County street, northwest corner of Parker. Flush. . . . .	23
County street, southwest corner of Smith. . . . .	30

	Pressure in lbs.
County street, southwest corner of Maxfield. Flush. . . . .	25
County street, southwest corner of North. Flush. . . . .	21
County street, southwest corner of Middle. Double. . . . .	22
County street, southwest corner of Morgan. . . . .	22
County street, northwest corner of Union. Flush. . . . .	24
County street, west side, head of School. . . . .	23
County street, southwest corner of Madison. . . . .	27
County street, southwest corner of Hawthorn. . . . .	32
County street, northwest corner of Allen. . . . .	45
County street, southwest corner of Grinnell. . . . .	61
County street, northwest corner of South. . . . .	62
County street, northwest corner of Winsor. . . . .	57
County street, west side, 71 feet north of Division. . . . .	54
County street, northwest corner of Cove road. . . . .	62
Court street, southwest corner of Orchard. . . . .	20
Court street, southeast corner of Cedar. . . . .	20
Court street, northeast corner of Ash. . . . .	20
Court street, southwest corner of Emerson. . . . .	25
Court street, south side, west from Park 304 feet. Flush. . . . .	32
Court street, south side, head of Jenney. . . . .	23
Court street, south side, east of Reed 300 feet. . . . .	22
Cove road, southwest corner of Shore street. . . . .	61
Cove road, south side, 365 feet west of County. . . . .	61
Cove street, southwest corner of Cleveland avenue. . . . .	61
Cove street, southwest corner of Harrison avenue. . . . .	61
Cove street, southwest corner of Salisbury. . . . .	59
Cove street, southwest corner of Viall. . . . .	59
Cove street, southwest corner of McGurk. . . . .	59
Cove street, southeast corner of Stapleton. . . . .	55
Cove street, southeast corner of County. . . . .	62
Crapo street, west side, south of Washington 343 feet. Flush. . . . .	60
Crapo street, west side, south of Rockland 225 feet. Flush. . . . .	63
Crapo street, west side, 160 feet south of Thompson. . . . .	58
Dartmouth street, east side, southwest of Orchard 110 feet. . . . .	46
Dartmouth street, east side, 125 feet south of Hickory. . . . .	47
Dartmouth street, east side, 260 feet south of Rockland. . . . .	45

	Pressure in lbs.
Dartmouth street, east side, 99 feet south of Thompson . . . . .	44
Dartmouth street, southeast corner of Larch. . . . .	42
Dartmouth street, east side, 28 feet north of Dunbar. . . . .	43
Davis street, south side, 321.8 feet east of Front. . . . .	50
Davis street, southwest corner of Front. . . . .	46
Dean street, southwest corner of Belleville avenue. . . . .	62
Dean street, southeast corner of Front. . . . .	50
Delano street, southwest corner of Water. . . . .	57
Delano street, southeast corner of Acushnet avenue. . . . .	57
Division street, southeast corner of Second. . . . .	61
Division street, south side, 527 feet west of County. . . . .	62
Division street, south side, east of Crapo 6 feet. . . . .	58
Durfee street, southwest corner of Cedar. . . . .	15
Durfee street, southwest corner of Bullock. . . . .	17
Durfee street, southwest corner of Shawmut avenue. . . . .	12
East French avenue, northwest corner of Columbia avenue. . . . .	61
Edwards street, south side, 90 feet east of Field. . . . .	35
Elm street, southwest corner of Purchase. . . . .	43
Elm street, southwest corner of Pleasant. . . . .	37
Elm street, southwest corner of Eighth. . . . .	21
Elm street, southwest corner of Summer. Flush. . . . .	18
Elm street, south side, 43.5 feet west of Florence. . . . .	26
Elm street, southeast corner of Palmer. . . . .	14
Emerson street, west side, 173.8 feet north of Arnold. . . . .	29
Field street, northwest corner of Stowell. . . . .	37
Fifth street, southwest corner of Union. . . . .	41
Fifth street, southwest corner of School. . . . .	45
Fifth street, west side, south of Madison 245 feet. Flush. . . . .	50
Fifth street, northwest corner of Wing. . . . .	59
Fifth street, northwest corner of Grinnell. Flush. . . . .	61
First street, southwest corner of Spring. Flush. . . . .	58
First street, west side, south of School 109 feet. Flush. . . . .	57
First street, west side, south of Howland 185 feet. Flush. . . . .	65
First street, northwest corner of Potomska. . . . .	59
Florence street, southwest corner of Hillman. . . . .	24
Florence street, northwest corner of Mill. . . . .	24

	Pressure in lbs.
Florence street, west side, 199.6 feet south of Kempton. . . . .	27
Florence street, southwest corner of Morgan. . . . .	29
Forest street, south side, west of County 90 feet. Flush. . . . .	53
Foster street, southwest corner of High. . . . .	30
Fourth street, southwest corner of Union. Flush. . . . .	46
Fourth street, west side, north of School 106 feet. Flush. . . . .	46
Fourth street, west side, south of Madison 210 feet. Flush. . . . .	54
Fourth street, east side, opposite Washington. . . . .	57
Fourth street, northwest corner of Rockland. Flush. . . . .	62
Fourth street, west side, south of Potomska 61 feet. . . . .	58
Franklin street, southwest corner of Pleasant. Flush. . . . .	43
Franklin street, southwest corner of State. . . . .	38
French avenue, west side, south of Cove road 14 feet. Flush. . . .	60
Front street, southwest corner of Holly. . . . .	56
Front street, west side, south of Washburn 319 feet. Flush. . . . .	62
Front street, southwest corner of Logan. . . . .	60
Front street, west side, 190.2 feet south of Logan. . . . .	62
Front street, west side, south of Logan 383 feet. . . . .	63
Front street, west side, 235.2 feet north of Wamsutta. . . . .	63
Front street, southeast corner of Wamsutta. . . . .	63
Front street, southwest corner of Middle. . . . .	62
Front street, southwest corner of Hazard's lane. Flush. . . . .	61
Front street, northwest corner of Rodman. . . . .	61
Front street, southwest corner of Centre. Flush. . . . .	61
Front street, west side, south of Commercial 86 feet. Flush. . . .	63
Front street, northwest corner of lane head of Merrill's wharf. Flush.	65
Front street, west side, south of Howland 268 feet. . . . .	61
Front street, southwest corner of Grinnell. . . . .	62
Front street, west side, south of South 330 feet. . . . .	62
Front street, west side, 191 feet north of Blackmer. . . . .	59
Front street, west side, north of Delano 191 feet. . . . .	62
Fruit street, south side, east of Hemlock 126.5 feet. . . . .	53
Fruit street, south side, 25.5 feet west of Mulberry. . . . .	46
Gifford street, south side, 274 feet east of Water. . . . .	65
Gifford street, south side, 167.8 feet west of Harbor. . . . .	60
Gifford street, south side, 299.3 east of Harbor. . . . .	62



Pressure  
in lbs.

Grand street, south side, 750 feet west of Shawmut avenue. . . . .	14
Granfield street, west side, 263 feet north of Coggeshall. . . . .	59
Grape street, south side, west of Lewis 131 feet. . . . .	36
Grape street, southwest corner of Small. . . . .	35
Grape street, southwest corner of Devoll. . . . .	29
Griffin street, southwest corner of Second. Flush. . . . .	62
Grinnell street, south side, west of Acushnet avenue 76 feet. Flush. . . . .	60
Grinnell street, south side, east of Crapo 103 feet. Flush. . . . .	58
Grinnell street, southwest corner of Orchard. . . . .	50
Grove street, southwest corner of Anthony. . . . .	26
Harbor street, east side, 195 feet north of Cove. . . . .	60
Harbor street, east side, 372 feet north of Cove. . . . .	60
Harbor street, east side, 540 feet north of Cove. . . . .	60
Harbor street, east side, 195.8 feet south of Gifford. . . . .	61
Harbor street, southeast corner of Gifford. . . . .	61
Harmony street, southwest corner of Social. . . . .	59
Harrison street, southwest corner of Hickory. . . . .	48
Hathaway avenue, south side, 233.4 feet east of Church. . . . .	33
Hawthorn street, southeast corner of Page. Flush. . . . .	28
Hawthorn street, south side, east of Tremont 147 feet. . . . .	28
Hawthorn street, southwest corner of Brigham. . . . .	26
Hawthorn street, south side, 301 feet west of Brigham. . . . .	24
Hazard street, south side, west of State 140 feet. Flush. . . . .	36
Hazard street, southwest corner of Pleasant. Flush. . . . .	46
Hemlock street, west side, 231 feet south of Rockland. . . . .	50
Hicks street, south side, east of Acushnet avenue 276 feet. . . . .	56
High street, south side, east of Acushnet avenue 43 feet. Flush. . . . .	48
High street, southwest corner of Purchase. . . . .	42
High street, south side, east of County 177 feet. Flush. . . . .	23
Highland street, west side, 418.4 feet north of Durfee. . . . .	12
Hillman street, southwest corner of Second. Flush. . . . .	57
Hillman street, southwest corner of Purchase. . . . .	45
Hillman street, southwest corner of Pleasant. . . . .	35
Hillman street, head of State. . . . .	27
Hillman street, head of Thomas. . . . .	23
Hillman street, southwest corner of Chancery. . . . .	29



	Pressure in lbs.
Holly street, southwest corner of Belleville avenue. . . . .	61
Holly street, southwest corner of Bowditch. . . . .	48
Holly street, southeast corner of Brook. . . . .	47
Hollyhock street, south side, 133 feet east of Field. . . . .	40
Howard avenue, south side, 364 feet east of Acushnet avenue. . . .	52
Howland street, northeast corner of Second. Flush. . . . .	63
Howland street, south side, 19.2 feet west of Prospect. . . . .	60
Hunter street, southwest corner of Hillman. . . . .	20
Independence street, south side, 480 feet west of County. . . . .	57
Irving court, north end of court. Flush. . . . .	25
James street, west side, 107 feet north of Arnold. . . . .	24
James street, southwest corner of Court. . . . .	24
Katharine street, south side, 66.7 feet east of Crapo. . . . .	62
Kempton street, southwest corner of Pleasant. . . . .	36
Kempton street, south side, opposite Hill. . . . .	23
Kempton street, southwest corner of Summer. Flush. . . . .	19
Kempton street, southwest corner of Emerson. Flush. . . . .	26
Kempton street, southwest corner of Park. Flush. . . . .	28
Kempton street, southwest corner of Liberty. Flush. . . . .	29
Kempton street, southeast corner of Jenney. Flush. . . . .	26
Kempton street, south side, west of Hunter 50 feet. . . . .	21
Kempton street, southwest corner of Francis. . . . .	14
Kilburn street, north side, east of Front 244 feet. . . . .	62
Kilburn street, north side, east of Front 581 feet. . . . .	64
Larch street, south side, 120 feet east of Mulberry. . . . .	45
Larch street, south side, 129 feet east of Hemlock. . . . .	51
Liberty street, west side, south of Kempton 339 feet. Flush. . . .	30
Lincoln street, west side, south of Union 171 feet. Flush. . . . .	23
Linden street, south side, west of State $13\frac{1}{2}$ feet. . . . .	43
Linden street, south side, west of County 169 feet. . . . .	34
Linden street, south side, $67\frac{1}{2}$ feet west of Reynolds. . . . .	24
Linden street, south side, $6\frac{1}{2}$ feet east of Ashland. . . . .	14
Lindsey street, west side, 173 feet south of Kempton. . . . .	27
Lindsey street, northwest corner of Morgan. . . . .	24
Locust street, southwest corner of Chestnut. . . . .	23
Locust street, southeast corner of Richmond. . . . .	15

	Pressure in lbs.
Logan street, south side, east of Acushnet avenue 400 feet. Flush.	62
Logan street, southwest corner of Acushnet avenue. Flush. . . . .	63
Lombard street, west side, 209½ feet south of Rockland. . . . .	50
Madison street, southwest corner of First. Flush. . . . .	61
Madison street, southwest corner of Sixth. . . . .	41
Maitland street, southwest corner of Cedar. . . . .	19
Maitland street, south side, 101 feet west of Richmond. . . . .	16
Maxfield street, southwest corner of Second. . . . .	58
Maxfield street, southwest corner of Purchase. . . . .	46
Maxfield street, southwest corner of Pleasant. . . . .	38
Maxfield street, southwest corner of Foster. . . . .	33
Maxfield street, southeast corner of Chestnut. Flush. . . . .	19
Maxfield street, southeast corner of Spruce. Flush. . . . .	21
Maxfield street, southeast corner of Ash. . . . .	22
Maxfield street, south side, 44.4 feet east of Chancery. . . . .	27
McGurk street, west side, 348 feet north of Middle Point road. . . .	55
Mechanics lane, northwest corner of Purchase. . . . .	42
Mechanics lane, north side, east of Eighth 206 feet. Flush. . . . .	30
Merrimac street, southwest corner of State. . . . .	41
Middle street, southwest corner of Second. . . . .	52
Middle street, southwest corner of Acushnet avenue. . . . .	46
Middle street, southwest corner of Purchase. . . . .	42
Middle street, southwest corner of Pleasant. . . . .	35
Middle street, southwest corner of Sixth. . . . .	30
Middle street, south side, east of Cedar 371 feet. Flush. . . . .	32
Middle street, southeast corner of Chancery. Flush. . . . .	29
Mill street, northwest corner of Purchase. . . . .	43
Mill street, south side, west of Hill 191 feet. Flush. . . . .	25
Mill street, south side, west of Ash 45 feet. Flush. . . . .	25
Mill street, south side, 104 feet east of Park. . . . .	25
Mill street, southeast corner of Newton. . . . .	26
Mill street, south side, 138 feet west of Hunter. . . . .	18
Mill street, south side, 97.9 feet west of Beech. . . . .	14
Mitchell street, northwest corner of Coggeshall. . . . .	61
Mitchell street, west side, 178.8 feet north of Coggeshall. . . . .	63
Mitchell street, west side, 345 feet south of Sawyer. . . . .	61

	Pressure in lbs.
Mitchell street, southwest corner of Sawyer. . . . .	61
Moorland terrace, south side, 335 feet east of Page. . . . .	32
Morgan street, southwest corner of Cottage. Flush. . . . .	33
Morton's court, west side, 385.3 feet north of Cove. . . . .	59
Mosher street, south side, west of County 517 feet. . . . .	59
Mosher street, southeast corner of Crapo. . . . .	55
Mt. Pleasant street, southeast corner of distributing reservoir. Flush. .	4
Mt. Pleasant street, west side, north of Durfee 572 feet. Flush. . .	8
Mt. Pleasant street, northwest corner of Durfee. . . . .	12
Mt. Vernon street, south side, 359 feet west of Mt. Pleasant. Flush. .	6
Myrtle street, west side, 22 feet south of Weld. . . . .	23
Myrtle street, southwest corner of Clark. . . . .	18
Nelson street, south side, 541.6 feet west of County. . . . .	60
Newton street, northwest corner of Elm. . . . .	29
North street, southeast corner of Second. . . . .	54
North street, southwest corner of Acushnet avenue. . . . .	49
North street, southwest corner of Purchase. . . . .	44
North street, northwest corner of Pleasant. . . . .	35
North street, southwest corner of Foster. . . . .	30
North street, southwest corner of Hill. . . . .	26
North street, southwest corner of Park. . . . .	29
North street, south side, 258 feet west of Newton. . . . .	24
North street, southwest corner of Hunter. . . . .	22
North street, southwest corner of Beech. . . . .	17
Nye street, southwest corner of Belleville avenue. . . . .	60
Nye street, southwest corner of Front. . . . .	54
Oak street, southwest corner of Harrison. . . . .	45
Oak street, northwest corner of Grape. . . . .	41
Oak street, southwest corner of Allen. . . . .	38
Ocean street, west side, 184½ feet south of Arnold. . . . .	32
Old Point road, west side, east of French avenue 650 feet. Flush. .	53
Old Point road, west side, 2,510 feet east of McGurk. Flush. . .	43
Orchard street, southwest corner of Madison. . . . .	27
Orchard street, southwest corner of Grove. . . . .	34
Page street, west side, 429½ feet south of Hawthorn. . . . .	36
Palmer street, west side, 113 feet south of Court. . . . .	19

	Pressure in lbs.
Park place, south side, west of Sixth 306 feet. Flush. . . . .	32
Park street, west side, 27.1 feet south of Maxfield. . . . .	24
Park street, southwest corner of Hillman. . . . .	25
Park street, west side, south of Kempton 339 feet. . . . .	27
Park street, northwest corner of Court. . . . .	28
Park street, west side, north of Arnold 263 feet. . . . .	34
Parker street, south side, at Oak Grove cemetery. . . . .	25
Parker street, southwest corner of Summer. Flush. . . . .	27
Pearl street, southwest corner of Pleasant. . . . .	41
Pearl street, southwest corner of Purchase. . . . .	50
Pine street, northwest corner of Cross. Flush. . . . .	65
Pleasant street, northwest corner of Market. . . . .	40
Pleasant street, west side, north of William 21½ feet. . . . .	40
Pleasant street, east side, foot of Sycamore. . . . .	39
Pleasant street, northwest corner of Pope. Flush. . . . .	42
Pleasant street, northwest corner of Austin. Flush. . . . .	47
Pleasant street, southwest corner of Linden. Flush. . . . .	48
Pleasant street, southwest corner of Weld. . . . .	48
Plummer avenue, south side, 177 east of Belleville avenue. . . . .	58
Pope street, south side, opposite North Oak. . . . .	27
Pope street, south side, 226 feet east of Chestnut. . . . .	21
Poplar road, south side, 431 feet west of Bolton road. . . . .	52
Potomska street, a group of three post hydrants located about 300 feet east of Prospect and 91 feet north of south line of Potomska street. . . . .	64
Prospect street, west side, 275.2 feet north of Grinnell. . . . .	61
Prospect street, northwest corner of Grinnell. . . . .	63
Prospect street, west side, north of Potomska 324½ feet. . . . .	62
Prospect street, northwest corner of Potomska. . . . .	63
Purchase street, northwest corner of Dean. . . . .	43
Purchase street, west side, opposite Onoko mill. . . . .	48
Purchase street, east side, opposite Clark. . . . .	58
Purchase street, west side, opposite Logan. Flush. . . . .	58
Purchase street, northwest corner Merrimac. Double. . . . .	51
Purchase street, northwest corner of Pope. Flush. . . . .	52
Purchase street, west side, 348 feet south of Campbell. . . . .	48

	Pressure in lbs.
Purchase street, northwest corner of Union. Flush. . . . .	43
Purchase avenue, northeast corner of Purchase. . . . .	42
Reed street, west side, 145 feet north of Court. . . . .	19
Reed street, southwest corner of Elm. . . . .	14
Reed street, southwest corner of Middle. . . . .	14
Reynolds street, southwest corner of Weld. . . . .	26
Reynolds street, west side, 17.9 feet south of Clark. . . . .	29
River street, southwest corner of Belleville avenue. . . . .	60
River street, southeast corner of Front. . . . .	53
Riverside avenue, west side, 155 feet north of Coffin avenue. . . . .	63
Rivet street, southwest corner of Second. Flush. . . . .	62
Rivet street, southwest corner of County. . . . .	59
Rivet street, southwest corner of Bonney. . . . .	59
Rivet street, southwest corner of Hemlock. . . . .	51
Rivet street, southeast corner of Bolton road. . . . .	56
Robeson street, southwest corner of County. . . . .	26
Robeson street, southeast corner of Cottage. . . . .	19
Robeson street, southwest corner of Ashland. . . . .	15
Robeson street, southeast corner of Cedar. . . . .	21
Robeson street, south side, 424 feet west of Cedar. . . . .	17
Rockdale avenue, southwest corner of Bolton road. . . . .	57
Rockdale avenue, south side, 327 feet west of Bolton road. . . . .	54
Rockland street, southwest corner of County. . . . .	58
Rockland street, southeast corner of Hall. . . . .	56
Rockland street, south side, 13 feet west of Orchard. . . . .	54
Rockland street, south side, 179.3 feet east of Hemlock. . . . .	51
Rockland street, southwest corner of Lombard. . . . .	50
Rounds street, northwest corner of Elm. . . . .	22
Rural street, southwest corner of Allen. . . . .	28
Russell street, south side, east of Fifth 92 feet. Flush. . . . .	54
Russell street, southwest corner of Sixth. . . . .	47
Russell street, south side, 179 feet west of Sixth. . . . .	42
Salisbury street, west side, 598 feet south of Cove. . . . .	53
Sawyer street, southwest corner of Bowditch. . . . .	53
Sawyer street, southwest corner of Acushnet avenue. . . . .	59
Sawyer street, southeast corner of Belleville avenue. . . . .	65



Pressure  
in lbs.

Sawyer street, north side, 750 feet east of Belleville avenue. . . .	63
Sawyer street, south side, 418.8 feet east of Mitchell. . . . .	64
School street, southwest corner of Sixth. . . . .	37
Scott street, south side, 325 feet west of County. . . . .	59
Second street, northwest corner of Mill. Flush. . . . .	55
Second street, west side, south of Elm 52 feet. . . . .	52
Second street, west side, south of Spring 74 feet. Flush. . . . .	55
Second street, northwest corner of Coffin. Flush. . . . .	61
Second street, west side, at head of Morgan's lane. . . . .	60
Second street, west side, north of Grinnell 61 feet. Flush. . . . .	63
Second street, west side, north of Potomska 232 feet. . . . .	61
Second street, west side, south of Potomska 122 feet. . . . .	63
Second street, west side, 188 feet south of Blackmer. . . . .	59
Seventh street, southwest corner of Union. . . . .	31
Seventh street, west side, north of Madison 50 feet. Flush. . . . .	36
Shawmut avenue, southwest corner of Willis. . . . .	18
Shawmut avenue, southwest corner of Parker. . . . .	18
Shawmut avenue, west side, head of Locust. . . . .	17
Shawmut avenue, southwest corner of Robeson. . . . .	14
Shawmut avenue, west side, north of Austin. . . . .	13
Shawmut avenue, west side, 497 feet north of Durfee. . . . .	12
Shawmut avenue, southwest corner of Grand. . . . .	11
Shawmut avenue, west side, 203 feet north of Grand. . . . .	11
Sherman street, south side, west of County 314 feet. Flush. . . . .	51
Shore street, west side, 264 feet south of Cove road. . . . .	61
Short street, west side, 321 feet south of Allen. . . . .	34
Sisson street, northwest corner of Union. . . . .	25
Sixth street, west side, north of Grinnell 194 feet. . . . .	60
Smith street, southwest corner of Chestnut. Double. . . . .	22
Smith street, southeast corner of Spruce. Double. . . . .	20
Smith street, southeast corner of Shawmut avenue. Flush. . . . .	22
Smith street, south side, east of Park 5 feet . . . . .	29
South street, southwest corner of Acushnet avenue. . . . .	57
South street, southwest corner of Second. . . . .	59
South street, southwest corner of First. . . . .	59
South street, southwest corner of Water. . . . .	63



	Pressure in lbs.
South street, southwest corner of Prospect. . . . .	61
Spring street, southeast corner of Acushnet avenue. . . . .	51
Spring street, southwest corner of Seventh. . . . .	27
Spring street, southeast corner of Fifth. Flush. . . . .	42
Spruce street, west side, 347 feet north of Parker. . . . .	21
State street, southwest corner of Sycamore. . . . .	31
State street, southwest corner of Pearl. Flush. . . . .	34
Stone street, west side, 208.6 feet south of Allen. . . . .	38
Summer street, northwest corner of North. Flush. . . . .	16
Summer street, northwest corner of Hillman. Flush. . . . .	16
Summer street, southwest corner of Willis. Flush. . . . .	26
Sycamore street, southwest corner of Thomas. Flush. . . . .	30
Sycamore street, southwest corner of Summer. Flush. . . . .	24
Sycamore street, south side, west of Ash 68 feet. Flush. . . . .	22
Tallman street, southwest corner of Belleville avenue. . . . .	61
Thompson street, southeast corner of Bourne. . . . .	44
Thompson street, south side, 20 feet east of Hall. . . . .	58
Thompson street, south side, 302 feet west of Bonney. . . . .	55
Thompson street, southwest corner of County. . . . .	59
Tremont street, southwest corner of Union. . . . .	26
Tremont street, northwest corner of Maple. . . . .	29
Trinity street, south side, 145 feet west of Cedar. . . . .	19
Union street, southwest corner of Front. . . . .	63
Union street, southwest corner of Water. . . . .	57
Union street, southwest corner of First. . . . .	56
Union street, southwest corner of Second. . . . .	52
Union street, southwest corner of Acushnet avenue. . . . .	48
Union street, southwest corner of Sixth. . . . .	38
Union street, southeast corner of Emerson. . . . .	28
Union street, south side, 344 feet west of Park. . . . .	28
Viall street, west side, 368 feet south of Cove. . . . .	54
Walden street, southwest corner of Maxfield. Flush. . . . .	31
Wall street, south side, east of Acushnet avenue 165 feet. Flush. . . . .	62
Walnut street, northwest corner of Front. . . . .	61
Walnut street, southwest corner of Second. Flush. . . . .	57
Walnut street, southwest corner of Fourth. . . . .	48

Pressure  
in lbs.

Walnut street, southwest corner of Seventh. . . . .	38
Wamsutta street, south side, west of Front 200 feet. . . . .	65
Wamsutta street, south side, west of Front 372 feet. . . . .	65
Wamsutta street, south side, east of Acushnet ave. 285 feet. D'ble. . . . .	64
Ward street, southwest corner of Bay. . . . .	44
Washburn street, southeast corner of Acushnet avenue. . . . .	59
Washburn street, south side, west of North Front 228 feet. . . . .	59
Washington street, southwest corner of County. . . . .	57
Washington street, southwest corner of Crapo. . . . .	56
Washington street, south side, west of Orchard 102 feet. Flush. . . . .	50
Washington street, southeast corner of Dartmouth. Flush. . . . .	46
Water street, southwest corner of Hillman. Flush. . . . .	65
Water street, southwest corner of North. . . . .	64
Water street, west side, south of North 258 feet. Flush. . . . .	63
Water street, northwest corner of Middle. Double. . . . .	62
Water street, southwest corner of Elm. Flush. . . . .	60
Water street, west side, north of Centre 46 feet. Flush. . . . .	50
Water street, west side, north of School 22 feet. Flush. . . . .	60
Water street, northwest corner of Walnut. Flush. . . . .	61
Water street, northwest corner of City wharf. Flush. . . . .	62
Water street, northwest corner of Coffin. Flush. . . . .	64
Water street, west side, head of Pine. . . . .	67
Water street, west side, head of Leonard. . . . .	62
Water street, southwest corner of Howland. . . . .	60
Water street, northwest corner of Grinnell. . . . .	60
Water street, northwest corner of Potomska. . . . .	63
Water street, west side, 266 feet south of Potomska. . . . .	63
Water street, northwest corner of Rivet. . . . .	63
Water street, southwest corner of Blackmer. . . . .	63
Water street, northwest corner of Delano. . . . .	62
Water street, west side, head of Gifford. . . . .	62
Water street, northwest corner of Cove. . . . .	62
Weld street, southwest corner of State. . . . .	43
William street, southwest corner of Bethel. . . . .	51
William street, southwest corner of Second. . . . .	48
William street, southeast corner of Acushnet avenue. . . . .	47

	Pressure in lbs.
William street, southwest corner of Purchase. . . . .	43
William street, southwest corner of Sixth. . . . .	38
William street, southwest corner of Eighth. . . . .	37
Willis street, southwest corner of Purchase. . . . .	50
Willis street, southeast corner of Pleasant. . . . .	41
Willis street, southwest corner of State. . . . .	28
Willis street, southwest corner of County. . . . .	26
Willis street, southwest corner of Cottage. . . . .	19
Willis street, south side, west of Cedar 200 feet. Flush. . . . .	18
Willow street, southwest corner of Cottage. . . . .	15
Willow street, southeast corner of Shawmut avenue. . . . .	13
Wing street, southwest corner of Fourth. Flush. . . . .	57
Wing street, southwest corner of Sixth. . . . .	57
Winsor street, south side, west of County 455½ feet. . . . .	58
Winsor street, south side, 77½ feet east of Crapo. . . . .	60
Number of flush hydrants, . . . . .	148
Number of post hydrants, . . . . .	476
	---
Total number of hydrants, . . . . .	624

IN BOARD OF ALDERMEN,

February 27, 1896.

Received, ordered printed in the City Documents,  
recommendations referred to the Committee on Fire  
Department and sent down for concurrence.

D. B. LEONARD, City Clerk.

IN COMMON COUNCIL,

2 mo., 27, 1896.

Concurred.

WM. A. MACKIE, Clerk.









1896—CITY DOCUMENT No. 6.

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ANNUAL REPORT

OF THE

SCHOOL COMMITTEE

OF THE

CITY OF NEW BEDFORD,

TOGETHER WITH THE

Superintendent's Annual Report,

FOR THE YEAR 1895.

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NEW BEDFORD:

MERCURY PUBLISHING COMPANY, CITY PRINTERS.

1896.

IN SCHOOL COMMITTEE,

January 2, 1896.

*Voted*, That the Secretary prepare the Annual Report of the School Board for the year 1895, and that 1,500 copies of the same be printed.

# Report of the Secretary.

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By direction of the School Committee, I submit to our fellow citizens the following report for the year 1895 :

## STATISTICS.

### I. POPULATION AND VALUATION.

The population of the city (census of 1880) was	26,875
The population of the city (census of 1890) was	40,705
The population of the city (census of 1895) was	55,251
Valuation of taxable property (1895) was	\$52,642,733

### II. SCHOOL CENSUS.

School census, May, 1894 (children between five and fifteen years of age),	9,665
School census, May, 1895 (children between five and fifteen years of age),	10,076
Increase during the year (children between five and fifteen years of age),	411

#### SCHOOL CENSUS BY WARDS.

	1894.	1895.	
Ward One,	3,428	3,645	217 increase.
Ward Two,	727	737	10 increase.
Ward Three,	726	742	16 increase.
Ward Four,	509	503	6 decrease.
Ward Five,	849	838	11 decrease.
Ward Six,	3,426	3,611	195 increase.
	<hr/> 9,665	<hr/> 10,076	

LOCATION OF CHILDREN BETWEEN FIVE AND FIFTEEN YEARS OF AGE  
AS REPORTED BY THE CENSUS OFFICERS.

	Attending Public Schools.	Attending Parochial or Private Schools.	Attending no School.
Ward One,	1,433	1,548	664
Ward Two,	486	153	98
Ward Three,	595	73	74
Ward Four,	422	28	53
Ward Five,	593	172	73
Ward Six,	2,312	719	580
	<hr/> 5,841	<hr/> 2,693	<hr/> 1,542

REMARKS UPON POPULATION AND SCHOOL CENSUS.

The census reports show that the population of the city has increased over 100 per cent. during the past fifteen years, and 35 and a fraction per cent. during the past five years. The school population has increased in a still greater ratio. This increase has been provided for partly by the public schools, partly by the parochial schools, all of the latter having been opened during this period.

The school census reports for 1895 show an increase of 411 children between the ages of five and fifteen from May 1894 to May 1895. This is 212 more than the increase from May 1893 to May 1894, which, owing to the great business depression for that time, was less than for some years. Since May, 1895, I have good reasons for believing that the increase has been greater even than for the corresponding months of the year next preceding.

The reports show also that there were many more children between the ages of five and fifteen who were not attending any school at the time the census was taken than was shown by the reports of the previous year. This was wholly due I think to the great business depression in the mill industry during the year 1893-4. The schools in an industrial city of this character feel the business pulse very quickly. A shutting down of the mills or a reduction in

product is usually followed by a temporary increase in the school attendance ; but a revival of business is followed by a withdrawal, not only of those who have temporarily returned, but of others who may help to swell the revenues of the family, the head of which is often in debt from previous loss of work.

A school census is valuable inasmuch as it furnishes data necessary for the State report, and gives data also for estimating the school accommodations which will be needed in the immediate future.

### III. SCHOOL ORGANIZATION.

High,	1
Training school for teachers,	1
Grammar,	5
Primary,	12
Country,	4
Mill,	2

### IV. SCHOOL BUILDINGS.

Occupied by the schools,	21
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#### ROOMS USED FOR SCHOOL PURPOSES (DAY SCHOOLS), INCLUDING HALLS AND RECITATION ROOMS.

High,	17
Training,	9
Grammar,	45
Primary,	80
Mill,	4
Country,	9
Manual training,	2
Rooms unoccupied,	4
Total,	170

Rooms used for both day and evening schools,	30
Rooms used for evening drawing school,	3



## V. SEATS.

	Seats occupied.	Seats unoccupied.
High school,	329	47
Grammar schools,	1,765	183
Primary schools,	3,547	346
Training school,	349	24
Mill schools,	173	3
Country schools,	213	87
Total,	6,376	690

## VI. TEACHERS.

Whole number in service Dec. 20, 1895 :

High school,	13
Training school, 8 regular, 9 pupil teachers,	17
Grammar schools,	42
Primary schools,	85
Country schools,	6
Mill schools,	4
Special teachers,	7
Temporary assistants,	3
Evening schools,	65
Total,	242

## VII. PUPILS.

DAY SCHOOLS, 1895.

Whole number of pupils enrolled of all ages,	7,860
Average number of pupils belonging,	6,004.9
Average daily attendance,	5,542.4
Per cent. of attendance,	92.3
Number of half-days absence,	179,164
Number cases of tardiness,	16,003
Number cases of dismissal,	38,184
Number cases of truancy reported by teachers,	295
Number cases of corporal punishment,	1,029
Number cases of suspension,	7
Half days absence of teachers,	1,497
Number cases of tardiness by teachers,	188
Number visits made the schools by the Superintendent,	582
Number visits made the schools by the School Committee,	922
Number visits made the schools by parents and others,	2,996

## EVENING SCHOOLS, 1895.

Whole number pupils enrolled,	2,725
Average number belonging,	1,069.3
Average nightly attendance,	849.6
Per cent. of attendance,	79.4
Total nights absence,	8,686
Number of cases tardiness,	524
Number visits by Superintendent,	7
Number visits by School Committee,	144

## EVENING DRAWING SCHOOL, 1895.

Whole number pupils enrolled,	153
Average number belonging,	73.2
Average nightly attendance,	58.2
Per cent. of attendance,	78.9
Number visits made by the Superintendent,	4
Number visits made by School Committee,	—

## COST OF INSTRUCTION PER SCHOLAR BY SCHOOLS.

In this connection the cost of instruction per scholar is based upon the average number belonging to each school during the year, and the amount expended for hire of teachers, fuel, care of school houses, books and supplies (except those furnished from the income of the Sylvia Ann Howland fund), the term "care of school houses" including only the salaries of janitors.

Elsewhere in the report is given the cost, by departments, of each pupil, based on the average number belonging and the total amount expended for the maintenance of each department during the year. This last computation furnishes the basis upon which tuition of non-residents will be collected.

TABLE I. This table is computed, as in former Reports, on the items classified above.

The cost of maintenance of each pupil in the High school for the year has been	\$58.29
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## Grammar department :

Fifth Street,	25.96
Middle Street,	29.62
Parker Street,	25.28
Thompson Street,	22.43
Cedar Grove Street,	22.03
Harrington Training,	36.98

## Primary department :

Harrington Training,	22.76
Acushnet Avenue,	17.13
I. W. Benjamin,	16.73
Cedar Street,	23.51
Cedar Grove Street,	17.15
Cannonville,	22.74
Dartmouth Street,	19.60
Thomas A. Greene,	20.26
Sylvia Ann Howland,	23.12
Linden Street,	16.48
Merrimac Street,	21.18
Maxfield Street,	29.01
Thompson Street,	17.40

## Ungraded schools :

Acushnet,	35.57
Clark's Point,	24.97
North,	29.67
Rockdale,	34.53
North Mill,	32.56
South Mill,	21.62

## Evening schools :

Cedar Grove Street,	4.85
Fifth Street,	4.56
Merrimac Street,	4.92
Parker Street,	8.19
Thompson Street,	4.11
Evening Drawing,	11.32

## The average cost of a

Grammar school pupil was	26.46
Primary school pupil was	18.98

Ungraded school pupil was	\$31.94
Mill school pupil was,	26.17
Elementary evening school pupil was	4.85
Evening drawing school pupil was	11.32
The average cost of a day school pupil was	23.82

TABLE II. The average cost per pupil by departments, based on the average number belonging and the total expenditures for each department, was as follows:—

High school,	64.26
Grammar schools,	27.50
Primary schools,	20.32
Ungraded schools,	35.31
Evening elementary schools,	4.85
Evening drawing school,	11.32
Average cost of a day school pupil,	25.39
Average cost of an evening school pupil, including drawing school,	.53

## RECEIPTS AND EXPENDITURES FOR 1895.

### RECEIPTS.

General and special appropriations as follows:

For teachers' salaries,	\$108,800.00
Incidentals (including salaries of officers and janitors, books, supplies, etc.),	40,300.00
Repairs of buildings,	10,500.00
Balance of manual training school appropriation,	235.46
	<hr/> \$159,835.46

### EXPENDITURES.

For teachers' salaries:

Day schools,	\$104,239.51
Evening schools,	4,215.50
	\$108,455.01

For incidentals:

Salaries of officers, including truant officers and messenger,	5,711.46
Salaries of janitors, day and evening schools,	11,906.66
Books and supplies,	5,639.77

Heating apparatus,	\$2,252.34
Lighting schools,	1,004.30
Fuel for schools,	7,139.67
Cooking school,	181.12
Manual training school,	280.87
Miscellaneous, (including rent of school committee rooms and other rooms used for school purposes, janitor sup- plies, school furniture, etc.),	7,876.23
For repairs of buildings,	9,377.87
	<hr/>
	\$159,825.30

## Summary :

Receipts,	\$159,835.46
Expenditures,	159,825.30
	<hr/>
Balance,	\$10.16

## DOG FUND.

Balance, Jan. 1, 1895,	\$3,632.20	
Received, Feb., 1895,	1,220.93	\$4,853.13
Expenditures for 1895,		1,130.25
		<hr/>
		\$3,722.88
Received from non-resident pupils,		\$759.55
Received from sale of books and supplies,		13.00
		<hr/>
		\$772.55

The amount asked for at the beginning of the year by the School Department was \$154,500; the amount expended was \$159,825.30. The difference of \$5,325.30 was granted in special appropriations by the City Council.

This large increase over the amount requested should, perhaps, be explained. \$3,700 was expended in extraordinary repairs and renewals of heating apparatus. \$1,500 of it was expended on the heating apparatus of the I. W. Benjamin school. The heating apparatus in this building was far from adequate when it was turned over to the School Committee. A small additional boiler was put in the first winter that the building was occupied, part of the expense for which was paid for by the heating contractor, part by the city; but the building was not then

heated. Even now with the large additional facilities, it is difficult to keep all the rooms at a proper temperature in extreme weather. The fault lies in the original plan. And it is too often the case that the School Department is compelled to supplement the heating apparatus of a school building soon after it is delivered to it. The other large items for heating were for renewals of boiler in Cedar Street and furnaces in Maxfield Street school houses. The balance of the exceeded appropriation was spent chiefly in rent for buildings hired for school purposes and in fitting and furnishing them. School houses are not built fast enough to accommodate the growing school population. This temporary renting of buildings for school purposes is not economical, nor are the pupils properly provided for when the best possible arrangement is made by the School Department.

#### SYLVIA ANN HOWLAND EDUCATIONAL FUND.

Balance of income on hand, Jan. 1, 1895,	\$17.00
Interest for the year,	3,000.00
Received from sale of supplies,	17.68
	<hr/>
	\$3,034.68
Expenditures for the year,	2,783.37
	<hr/>
Balance Jan. 1, 1896,	\$251.31
Cost of books and supplies during 1895,	\$2,783.37
Cost of books and supplies in stock Jan. 1, 1895,	265.94
	<hr/>
	\$3,049.31
Cost of books and supplies charged to schools, 1895,	\$2,840.55
Cost of books and supplies in stock Jan. 1, 1896,	190.90
Cash receipts from sale of supplies,	17.86
	<hr/>
	\$3,049.31

Disbursements to the several schools, and otherwise, are as follows :—



High school,	\$336.25
Fifth Street Grammar school,	133.36
Middle Street Grammar school,	187.25
Parker Street Grammar school,	286.76
Thompson Street school,	135.80
Harrington Training school,	228.26
Acushnet Avenue Primary school,	103.01
I. W. Benjamin Primary school,	128.54
Cedar Grove Street school,	236.50
Cedar Street Primary school,	52.07
Cannonville Primary school,	24.38
Dartmouth Street Primary school,	71.12
Thomas A. Greene Primary school,	94.89
S. A. Howland Primary school,	39.68
Linden Street Primary school,	52.73
Merrimac Street Primary school,	79.60
Maxfield Street Primary school,	21.77
Acushnet school,	34.10
Clark's Point school,	26.04
North school,	80.68
Plainville school,	1.56
Rockdale school,	13.90
North Mill school,	39.21
South Mill school,	4.82
Hacienda building,	.75
Office,	.75
Care of musical instruments,	351.00
Express and freight,	12.68
Pedagogical library,	12.38
Covering books,	6.65
Miscellaneous supplies,	44.06
Cash sales,	17.68
Stock on hand Jan. 1, 1896,	190.90
	<hr/>
	\$3,049.31

## DETAILED STATEMENT.

Outlay by the School Committee from the income of the Sylvia Ann Howland fund, from Jan. 1, 1895, to Jan. 1, 1896:—

## BOOKS AND PERIODICALS.

American Book Co.,	\$57.53
Alpha Publishing Co.,	.80
Boston School Supply Co.,	78.02

The Century Co.,	\$25.00	
Castor, T. H. & Co.,	7.87	
Dodd, Mead & Co.,	99.00	
Educational Publishing Co.,	70.15	
Ginn & Co.,	168.20	
Houghton, Mifflin & Co.,	128.41	
Heath, D. C. & Co.,	48.04	
Hutchinson, H. S. & Co.,	59.95	
Hatch, William E.,	8.50	
Harper & Bros.,	8.33	
Jones, Harry C.,	2.00	
Koehler, C. A. & Co.,	16.85	
Lee & Shepard,	12.07	
Leach, Shewell & Sanborn,	28.22	
Longman, Green & Co.,	7.07	
Mass. Society for Prevention of Cruelty to Animals,	1.00	
Mason, Perry & Co.,	157.80	
McAfee, Emma A.	1.34	
Maynard, Merrill & Co.,	27.00	
Macmillan & Co.,	3.97	
Nichols, C. A. Co.,	30.00	
Putnam's Sons, G. P.	1.85	
Potter, John E. & Co.,	10.84	
Prang Educational Co.,	.93	
Russell Publishing Co.,	1.60	
Silver, Burdett & Co.,	62.57	
Scribners, Charles & Sons,	21.93	
Taber, Robert W.	164.40	
University Publishing Co.,	32.29	
Ware, Wm. & Co.,	7.50	\$1,353.03

## PEDAGOGICAL LIBRARY.

American Book Co.,	\$ .90	
Bardeen, C. W.,	1.51	
Ginn & Co.,	2.08	
Kellogg, E. L. & Co.,	2.34	
Scribners, Sons, Charles	4.80	\$11.63

## MUSIC DEPARTMENT.

Ginn & Company,	\$380.55	
Haynes, John C. & Co.,	13.50	
Heath, D. C. & Co.,	16.34	
Peirce, George	418.00	\$828.39

## BINDING AND COVERING BOOKS.

Briggs & Lawrence,	\$ .30	
Collins, Williston H. & Co.,	44.97	
Gibbs, Elizabeth H.	4.65	
Holden Patent Book Cover Co.,	117.76	
Hatch, William E.	2.00	\$169.68

## PRIMARY DEPARTMENT.

Briggs & Lawrence,	\$ .50	
Dennison Manufacturing Co.,	29.40	
Perry, George S. & Co.,	91.68	\$121.58

## APPARATUS.

Almy, James T. estate of	\$5.00	
Bliss & Nye,	.25	
Eimer & Amend,	46.72	
Hutchinson, H. S. & Co.,	1.50	
Library Bureau,	1.50	
Nuttall, James H.	1.10	
Perry, Frank B.	15.00	
Ritchie, E. S. & Sons,	19.10	
Sherman, C. R. & Son,	2.50	
Smith, Carleton Iron Co.,	16.85	
Stanley, N. A.	.50	\$110.02

## EXPRESS AND FREIGHT.

Gray, Charles A.	\$2.58	
Hatch & Co.,	4.35	
Jennings, William A.	5.75	\$12.68

## MISCELLANEOUS.

Allen, Asa L. H.	\$7.50	
Boston School Supply Co.,	23.00	
Caproni, P. P. & Bro.,	11.00	
Crowell, Miss E. N.	17.95	
Heath, D. C. & Co.,	14.92	
Hammett, J. L.	34.00	
Hutchinson, H. S. & Co.,	1.00	
Hillman, Washburn & Co.,	2.12	
Mercury Publishing Co.,	.97	
McAllister, T. H.	11.60	
Nuttall, James H.	.90	
Taber, Charles & Co.,	16.40	
Western Publishing House,	35.00	\$176.36

## TEXT-BOOKS AND SUPPLIES.

## STATEMENT.

Cost of books and supplies purchased during 1895,	\$5,639.77
Cost of books and supplies in stock Jan. 1, 1895,	1,049.68
	<hr/>
	\$6,689.45
Cost of books and supplies charged to schools in 1895,	\$4,898.13
Cost of books and supplies in stock Jan. 1, 1896,	1,778.32
Cash receipts from the sale of books and supplies,	13.00
	<hr/>
	\$6,689.45

The cost in detail of books and supplies furnished the several schools for the year 1895 is as follows:—

	Supplies.	Books.	Total.
High school,	\$610.01	\$477.03	\$1,087.04
Fifth Street Grammar school,	251.51	166.26	417.77
Middle Street Grammar school,	244.98	210.37	455.35
Parker Street Grammar school,	263.52	311.17	574.69
Thompson Street Grammar school,	196.09	123.69	319.78
Cedar Grove Street Grammar school,	29.07	22.13	51.20
Acushnet Avenue Primary school,	94.93	65.69	160.62
I. W. Benjamin Primary school,	118.54	76.51	195.05
Cedar Street Primary school,	75.48	20.25	95.73
Cedar Grove Street Primary school,	191.51	130.66	322.17
Cannonville Primary school,	28.40	8.31	36.71
Dartmouth Street Primary school,	80.30	61.74	142.04
Thomas A. Greene Primary school,	75.49	33.26	108.75
S. A. Howland Primary school,	52.28	26.20	78.48
Linden Street Primary school,	57.29	33.89	91.18
Merrimac Street Primary school,	56.48	48.47	104.95
Maxfield Street Primary school,	34.19	17.47	51.66
Harrington Training school,	142.23	84.66	226.89
North Mill school,	14.45	25.41	39.86
South Mill school,	6.32	19.35	25.67
Acushnet school,	22.49	26.54	49.03
Clark's Point school,	13.85	20.32	34.17
North school,	19.47	22.06	41.53
Plainville school,	.69	2.99	3.68
Rockdale school,	11.35	5.02	16.37

	Supplies.	Books.	Total.
Cedar Grove Street Evening school,	\$2.16		\$2.16
Parker Street Evening school,	.14	\$19.12	19.26
Fifth Street Evening school,	4.36	3.76	8.12
Merrimac Street Evening school,	4.22	8.47	12.69
Thompson Street Evening school,	7.85	31.49	39.34
Evening Drawing school,	86.19		86.19
	<hr/> \$2,795.84	<hr/> \$2,102.29	<hr/> \$4,898.13

The average cost per pupil in the different departments of the schools, for books and supplies, has been as follows :—

High school,	\$3.37
Grammar schools,	1.11
Primary schools,	.37
Country schools,	.77
Mill schools,	.50
Average for day schools,	.75
Average for evening schools,	.08
Average for evening drawing school,	1.18

## THE INCREASING COST OF THE SCHOOLS.

The schools cost \$0.02 per pupil less than for the year 1894. This decrease was entirely in the primary department, for the High, grammar, and country schools cost more per pupil. This means an average of more pupils in these grades to a teacher, and was a saving where it was least desirable. But reviewing the cost of the schools during the past decade it will be seen that they have increased considerably in the cost per pupil, and it may be well to show why this is so, and whether the increased expenditure is justified.

The reason why the schools are costing more than they did per pupil ten years ago, may be summarized in a nutshell; they are providing better for the welfare of the pupils both physically and mentally, and are giving them special advantages not offered them then. One has but

to recall many of the school houses in the city ten years ago, and compare them with the present quarters of the children of those districts to realize the change for the better; but these modern school houses with their better heating, lighting and ventilating facilities cost much more to run and care for than did the old.

Again, better salaries are paid the teachers than were paid ten years ago; an increase has been made in every department, and the good teacher is insufficiently paid now in most cases. Better trained teachers, furnished principally by our Normal and Training school, are now provided for the schools as vacancies exist. The schools are not permitted to be crowded as they were in the past to the detriment of the pupils both physically and mentally; this means more school rooms, more teachers, more expenditure in several other directions. But what citizen would not say that forty or fifty pupils were enough for any one teacher to control and instruct; either number is too many. Formerly it was not unusual to find sixty or seventy in charge of a teacher, and housed in miserably ventilated rooms.

These are some of the reasons why the schools not only of New Bedford, but of all our cities and towns are costing more to-day than they did some years ago. It is as reasonable for one to say that private enterprise should not build buildings in the city like the Merchants' Bank building, and the Masonic building, and the Standard building, as to say that the city should not build the school houses of the present, because those of the old type were good enough for the past generations and should be good enough for this. It would be as reasonable to say that commerce and manufactures should be carried on in the same manner as was done years ago as to say that the schools should be administered in the same way as they were years ago. "The luxuries of the past



are the necessities of the present." I know not who said this, but it is true. Modern life is expensive; so is the modern school; but modern life offers more to every man and woman than the old; so does the modern school offer more to every pupil.

Comparisons are sometimes valuable, and to show that our schools are not costing an excessive amount when compared with the cost in a number of progressive cities throughout the country of about our population, a few larger and a few smaller, I submit a table which was compiled by the Superintendent of schools of Utica, N. Y., and was based on the expenditures in those schools for the year 1894.

### COMPARATIVE COST OF SCHOOLS.

	Cost per pupil per year, based on average daily attendance.	
	For supervision and teaching.	For all expenses except new buildings.
Des Moines, Iowa,	\$24.17	\$35.99
Portland, Oregon,	24.47	30.03
Worcester, Mass.,	19.79	28.34
Troy, N. Y.,	23.90	29.17
Albany, N. Y.,	18.00	23.93
Springfield, Mass.,	24.66	39.13
Bridgeport, Conn.,	14.90	21.52
New Haven, Conn.,	22.19	31.25
Newburgh, N. Y.,	18.77	29.11
Syracuse, N. Y.,	14.88	23.17
Rochester, N. Y.,	19.04	26.71
Lowell, Mass.,	23.11	29.27
Duluth, Minn.,	20.54	36.58
Yonkers, N. Y.,	22.21	44.88
Hartford, Conn.,	26.58	38.68
Average for fifteen cities,	\$21.15	\$31.18
New Bedford,	19.83	27.51

It is not to be expected that the schools will cost less each year. They are likely to cost more, pro rata, for some years yet. There must be a limit of course; but

that has not yet been reached. And it is one of the most hopeful signs of the times, that the people want good schools, and, when it comes to the test, are willing to pay for them.

### PRESENT SCHOOL ACCOMMODATIONS AND NEEDS.

Seven classes comprising over 300 pupils are now housed in rented buildings. Six of these are in the north part of the city, and one in the south part. It will be necessary to place several other classes in the south part in rented quarters before relief can be provided by the City Government in that district even with prompt action. Two eight-room buildings are now in process of construction, which, when completed, will provide ample accommodation for the present surplus of pupils in the north section of the city, and also provide for some future increase. One of these buildings is situated on Clark street, between Myrtle and Reynolds street. This building is roofed in and may be ready for occupancy by May, but may not be ready before September. The other is located on the corner of Bowditch street and Phillips avenue. The foundation of this is in, and it is hoped that this also may be ready for occupancy by September.

The Committee on City Property has recommended the purchase of a lot on Dartmouth street between Dunbar lane and contemplated street, upon which to erect a primary building. The matter is now before the City Council, and it is to be hoped that that body will act promptly in purchasing it and erecting a suitable building thereon.

The lot meets the approval of the School Committee, and is a most desirable one. The school accommodations in other parts of the city are now adequate to the needs of the department in most cases. It will be necessary to

finish a room in the third story of the Silvia Ann Howland school to accommodate the overflow of pupils in the first grade, which occurs regularly at the beginning of the winter term. The City Council has already been requested to grant an appropriation for that purpose. Last year the overflow was assigned to the disused William Street school. But many parents objected strenuously to sending their children there, and a number did not.

The rapid growth of the city taxes the School Department to provide each year for the yearly increase in the number of pupils. Only prompt action on the part of each City Council will enable the Department to provide such school accommodations as each pupil who is of school age is entitled.

Respectfully submitted,

WILLIAM E. HATCH,

Secretary.

# NEW BEDFORD HIGH SCHOOL GRADUATING EXERCISES

HELD IN THE OPERA HOUSE

June 28, 1895.

OPERATIC SELECTION, "Paul Jones," *Moses*  
ORCHESTRA.

PRAYER,  
By the REV. EDMUND S. ROUSMANIERE.

SALUTATORY AND ESSAY, "Success."  
MAUD METCALF.

SONG, "Battle On," *Arr. from "Joan of Arc," by Irving Emerson*  
CHORUS.

ORATION, "The Value of Education."  
CHARLES AUSTIN BONNEY, JR.\*

CORNET SOLO, "Leonore." *Trotiere*  
MR. CHARLES MATTHEWS.

ESSAY, "The Heir of all the Ages."  
JESSIE BELLE FLAGG.\*

SONG, "Anchored." *Arr. from M. Watson by G. A. Veazil*

THIRD BOURNE PRIZE ESSAY, "Patriotism."  
HARRISON EVERETT ASHLEY.†

CONCERT WALTZ, "Toreador." *Royle*  
ORCHESTRA.

FIRST BOURNE PRIZE ESSAY, "The Old Fashioned Things of  
Earth."

LUCY SHERMAN CUSHING.

SONG, "Soldiers' Chorus." *Gounod's "Faust," arr. by Irving Emerson*

PRESENTATION OF DIPLOMAS, WITH ADDRESS  
BY HIS HONOR MAYOR PARKER.

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\*The Class elect the Class Orator and the Class Essayist.

†In Mr. Ashley's absence on account of College Examinations his essay was given by Nelson Allen Wood.

## CLASS SONG.

{ Words by MAUDE WORTH ALLEN.  
 { Music by HELEN LOUISE HATCH.

Summer skies and sweetest flowers  
 Will not ever smile and bloom;  
 Birds not always sing their clearest,  
 Winds not always waft perfume.

*Chorus.*

Through our trials we shall triumph;  
 We shall gain the long sought goal,  
 Find there glory yet more glorious,  
 Since 'twas won with steadfast soul.

So when skies begin to lower,  
 Flowers fade, and soft winds fly,  
 We will press more bravely onward,  
 Ever strive for triumph high.

Though our fate may seem against us,  
 Friends grow cold and foes increase,  
 Yet with help of God we'll conquer,  
 God will give his children peace.

When at last our struggle's over,  
 When for us the conflict's done,  
 Sweeter far will be our glory  
 Since through trials it was won.

SECOND BOURNE PRIZE ESSAY AND VALEDICTORY, "Aladdin's  
 Lamp—If I had it."

HARRIET SHAW ASHLEY.

MARCH, "Honeymoon,"

*Rosey*

ORCHESTRA.

## GRADUATES, CLASS OF '95.

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*"Per Augusta ad Augusta."*

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Harrison Everett Ashley,  
Charles Austin Bonney, Jr.,  
Harold Sanford Bowie,  
William Sanders Bradford,  
William Henry Chase,  
Richmond Gordon,  
Benjamin Franklin Haines,  
Joseph Buckminster Holmes,  
Frank Warren Knowlton,  
Ralph Wilder Nesbitt,  
Walter Hale Paige,  
John William Riley,  
Frank Everett Washburn,  
Albert Roscoe White,  
Albert Tisdale Wilde,  
Nelson Allen Wood,

Elizabeth May Allen,  
Maude Worth Allen,  
Florence Morgan Anthony,  
Harriet Shaw Ashley,  
Ada Swasey Blake,  
Edith Gardner Bliss,  
Florence Ellen Bliss,  
Mabel Mitchell Bliss,  
Estelle Clinton Bolles,  
Charlotte Belle Brightman,  
Dawn Hamilton Brownell,  
Mary Prescott Brownell,  
Clara Heronia Carney,  
Emma Phillips Cole,

Helen Kollock Covell,  
Lucy Sherman Cushing,  
Cecilia Agnes Deane,  
Elizabeth Esther Duchenay,  
Jessie Belle Flagg,  
Jeannette Belle Fuller,  
Nellie Elthea Gibson,  
Melvetta Gertrude Harding,  
Susan Frances Haskins,  
Helen Louise Hatch,  
Maria Holcomb,  
Florence Annie Howland,  
Jane Terry Ingraham,  
Carolyn Sanford Jones,  
Elizabeth May Kenyon,  
Abby Almy Knowlton,  
Marie Whitridge Macomber,  
Annie Cook Manchester,  
Maud Metcalf,  
Mary Fox Moore,  
Lillie May Moulton,  
Clara Watson Phinney,  
Abbie Durfee Sherman,  
Clara Eliza Sherman,  
Bertha Louisa Sisson,  
Mabel Wing Smith,  
Lottie Francis Sturtevant,  
Delia Francis Tripp,  
Bessie Louise Twiss,  
Grace Evelyn Wilson.

## RECIPIENTS OF CERTIFICATES.

LUCY GARDNER,

ANNIE FLORENCE MOSHER.



## IN SCHOOL COMMITTEE,

January 2, 1896.

*Resolved*, That the thanks of the Committee are due and are hereby tendered to His Honor, Mayor Parker, for the courteous manner in which he has presided over the deliberations of the Board during the past year.

*Resolved*, That the thanks of the Board are hereby tendered to the Secretary for his promptness and courtesy in the discharge of his duties.

*Resolved*, That the thanks of this Board be and they are hereby tendered the Vice Chairman, F. A. Milliken, for the faithful and impartial manner in which he has performed the duties of his office.

## NEW BEDFORD PUBLIC SCHOOLS.

RATES OF TUITION FOR NON-RESIDENT PUPILS, 1896.

	First Term.	Second Term.	Third Term.	For the Year.
High school,	\$19.28	\$19.28	\$25.70	\$64.26
Grammar schools,	8.25	8.25	11.00	27.50
Primary schools,	6.10	6.10	8.13	20.32
Ungraded schools,	10.60	10.60	14.11	35.31
Evening Drawing school,				11.32

## RULES GOVERNING TEACHERS' SALARIES.

	Maximum.	Minimum.
Principal of High school,	\$2,750	
Sub-master of High school,	1,600	
Science teacher of High school,	1,600	
Lady assistants of High school,	900	\$650
Military instructor of High school,	300	
Principals of Grammar schools,	1,900	
Principals' Assistant of Grammar schools,	675	
Assistants of Grammar schools,	600	425
Principals of Primary schools,	600 to 875	
Assistants of Primary schools,	550	375
Principal of Training school,	1,500	
Vice-Principal of Training school,	1,200	
Senior in Training school,	4 per week.	
Ungraded schools,	525 to 700	
Principals of Evening schools,	3.50 to 4.50 per night.	
Assistants of Evening schools,	1.50 per night.	
Supervisor of drawing,	1,300	
Teacher of drawing in High school and assistant teacher in elementary grades,	800	
Supervisor of music.	1,900	
Teacher of sewing,	600	
Assistants at the rate of	525	
Cooking teacher,	600	
Manual training teacher,	1,200	

The salary of a Primary School Principal of a four-room building is \$600 per year which is increased at the rate of \$25 for each additional room.

The salaries of assistant teachers in the High school are increased at the rate of \$50 per year until the maximum is reached.

The minimum yearly salary of a Grammar school assistant is fixed at \$425, and the yearly advance is \$25 per year until a yearly salary of \$500 is reached; the annual increase is then \$50 per annum until the maximum (\$600) is reached. Principals' assistants only are paid \$675.

The minimum yearly salary of a Primary school assistant is fixed at \$375, and the yearly advance is \$25 per year until a yearly salary of \$450 is reached; the annual increase is then \$50 per annum until the maximum (\$550) is reached.

## DEPARTMENT OF PUBLIC SCHOOLS.

BRIEF DESCRIPTION OF THE SCHOOLHOUSES, WITH THEIR  
ACCOMMODATIONS AND CONDITIONS.

	SCHOOLS.	NAMED FOR.	Material.	Number of Stories.		No. of School Rooms.		No. of Recitation Rooms.	No. of Assembly Halls.	No. of Seats.	CONDITION.
1	Acushnet.	(Avenue.)	Brick.	2	10					490	Good.
2	Acushnet.	(Location.)	Wood.	2	3					114	Good.
3	I. W. Benjamin.	Isaac W. Benjamin.	Brick.	3	12					536	Good.
4	Cedar.	(Street.)	Wood.	2	6					287	Good.
5	Cedar Grove.	(Street.)	Brick.	3	15					673	Good.
6	Cannonville.	(Location.)	Wood.	2	2					83	Fair.
7	Clark's Point.	(Location.)	Wood.	1	1					35	Fair.
8	Dartmouth.	(Street.)	Wood.	2	8					392	Good.
9	Fifth.	(Street.)	Brick.	3	10				1	490	Good.
10	Thomas A. Greene.	Thomas A. Greene.	Brick.	3	8					389	Good.
11	High.	(Grades.)	Brick.	3	10	4	1			385	Good.
12	Harrington Memorial.	Henry F. Harrington.	Brick.	3	8			1		372	Good.
13	Sylvia Ann Howland.	Sylvia Ann Howland.	Brick.	3	6					204	Good.
14	Linden.	(Street.)	Wood.	2	4					241	Old, poor.
15	Middle.	(Street.)	Brick.	3	9				1	429	Good.
16	Merrimac.	(Street.)	Brick.	2	6					184	Good.
17	Maxfield.	(Street.)	Brick.	2	4					211	Good.
18	North.	(Location.)	Wood.	1	2					71	Good.
19	Parker.	(Street.)	Brick.	3	12				1	577	Good.
20	Plainville.	(Location.)	Wood.	1	1					28	Fair, unused.
21	Rockdale.	(Location.)	Wood.	1	2					36	Good.
22	Thompson.	(Street.)	Brick.	3	10					390	Good.
23	William.	(Street.)	Wood.	2	4						Poor, unused.
24	Clark.	(Street.)	Brick.	2	8					400	Under constr.
25	Phillips.	(Avenue.)	Brick.	2	8					400	Under constr.

## CALENDAR, 1896.

Winter term begins Jan. 6, 1896; ends March 27, 1896.

Summer term begins April 6, 1896; ends June 26, 1896.

Fall term begins Sept. 8, 1896; ends Dec. 18, 1896.

## VACATIONS.

March 28, 1896, to April 6, 1896.

June 27, 1896, to Sept. 1, 1896.

Dec. 18, 1896, to Jan. 4, 1897.

## HOLIDAYS.

Every Saturday; Washington's Birthday; Patriot's Day; Memorial Day; from Wednesday noon before Thanksgiving the remainder of the week.

## SCHOOL SESSIONS.

Grammar, Manual Training and Mill schools: From March 1 to November 1, 9 A. M. to 11.45 A. M., 1.45 P. M. to 4 P. M.; from November 1, to March 1, 9 A. M. to 11.45 A. M., 1.30 P. M. to 3.45 P. M.

Primary schools: From March 1 to November 1, 9 A. M. to 12 M., 2 P. M. to 4 P. M.; from November 1 to March 1, 9 A. M. to 11.40 A. M. without recess, 1.30 P. M. to 3.30 p. m.

High school: 8.30 A. M. to 1.30 P. M., during the whole year.

Country schools: Sessions as prescribed by the Committee on Ungraded schools, subject to the approval of the Board.

The signal for no-session is two strokes of the fire alarm once repeated (2-2).

When given at 8.15 A. M. the morning session shall be omitted. When given at 12.45 P. M. the afternoon session shall be omitted.

This regulation does not apply to the High school or to the ungraded schools except those designated by the Board.

The no-session signal on stormy days shall not apply to the sessions of the Manual Training or the Cooking schools; and pupils attending those schools shall not be excused for non-attendance upon them on account of the no-session signal.

## DEPARTMENT OF PUBLIC SCHOOLS.

EVENING SCHOOLS. REPORT FOR YEAR BEGINNING JANUARY 8, ENDING DECEMBER 20, 1895.

[illegible]



## DEPARTMENT OF PUBLIC SCHOOLS.

REPORT FOR YEAR BEGINNING JANUARY 8, 1895, AND ENDING DECEMBER 20, 1895.

NAME OF SCHOOL.	Total enrollment for year		Average number belonging	Average daily attendance	Per cent. of attendance	Total half-days absence	Number cases of tardiness	Number cases of dismissal	Number cases of truancy	No. cases corporal punishment	Half days teacher was absent	Times teacher was tardy	No. visits by Superintendent	No. visits by members of committee.	No. visits by parents and others	Suspensions.
	Boys	Girls														
The High.	200	300	322.6	311	96.4	2,461	1291	502	1		116	34	16	79	100	
Fifth Street Grammar.	260	272	424	393	92.7	12,680	1553	1,947	20	44	55	12	53	89	357	
Middle Street Grammar.	221	263	366	343	93.4	9,749	1257	1,164	24	51	31	9	33	101	219	2
Parker Street Grammar.	322	326	481.6	460.3	95.7	7,977	696	1,269	17	43	198	6	47	102	480	1
Thompson Street Grammar.	146	151	209	192	91.9	6,426	435	392	17	47	44	11	46	99	373	
Cedar Grove Street Grammar.	52	62	84.5	77.9	92.3	2,348	460	151	6	20	62	7	30	32	123	1
Harrington.	43	50	73.1	72.7	93.1	2,173	356	177		9		1		4		
	1044	1124	1043.2	1538.9	93.5	41,362	4747	5,100	84	214	394	46	218	427	1552	4
Harrington.	148	135	253.5	234.3	92.4	7,779	926	301	9	38	161	6	10	8	365	
Thompson Street Primary.	86	69	127	118	92	3,982	296	479	6	24			9	21	39	
Cedar Grove Street Primary.	450	464	624.6	566.4	91	22,398	1645	9,192	44	116	60	20	48	75	80	1.
Acushnet Avenue Primary.	256	260	451	414	92.6	14,629	977	1,419	6	85	4	7	24	25	43	
I. W. Benjamin Primary.	370	339	537	497	92.6	16,272	739	14,477	18	75	287	9	79	26	79	
Cedar Street Primary.	145	180	280.8	258.9	92.3	8,271	575	314	22	31	55	5	11	25	67	
Canonville Primary.	44	34	65.8	60.9	92.5	1,924	161	69		11			4	6	25	
Dartmouth Street Primary.	215	222	336.6	306.8	91.1	11,446	606	683	25	102	89		27	22	101	
Thos. A. Greene Primary.	166	156	286	263	92	8,918	874	373	7	69	43	31	34	19	46	



# AVERAGE AGE OF PUPILS IN VARIOUS GRADES.

## HIGH SCHOOL.

Senior	Sub-Senior	Junior	Sub-Junior	Average Age	
Yrs. Mos.	Yrs. Mos.	Yrs. Mos.	Yrs. Mos.	Yrs. Mos.	
18 1	17 4	16 3	15 5	16 9	

## GRAMMAR DEPARTMENT.

SCHOOL.	Fifth Year	Sixth Year	Seventh Year	Eighth Year	Ninth Year	Average age by schools
	Yrs. Mos.	Yrs. Mos.	Yrs. Mos.	Yrs. Mos.	Yrs. Mos.	Yrs. Mos.
Fifth Street.	11 9	11 10	13 3	13 8	14 9	13
Middle Street.	11 7	12 4	13 3	14 1	14 8	13 4
Parker Street.	11 5	12 3	13	13 9	14 7	13
Thompson Street.	11 7	12 8	13 2			12 5
Cedar Grove Street.	12 1	12 7				12 4
Harrington Memorial.	11 6	12				11 9
Average age by grades	11 7½	12 3	13 2	13 10	14 8	12 7

## AVERAGE AGE OF PUPILS IN VARIOUS GRADES.

### PRIMARY DEPARTMENT.

SCHOOL.	First Year	Second Year	Third Year	Fourth Year	Average age by schools	
	Yrs. Mos.	Yrs. Mos.	Yrs. Mos.	Yrs. Mos.	Yrs.	Mos.
Acushnet Avenue.	7 5	9 3	10 5	10 8	9	5
I. W. Benjamin.	6 10	8 5½	9	10 10½	8	9½
Cedar Grove Street.	8	9 5	11 7	12 2	10	3½
Cedar Street.	6 4	8 1	9 9	10 4	8	7½
Cannonville.	6 10	7 10	9 5	10 8	8	4
Dartmouth Street.	7	8 10	9 8	10 3½	8	11
Thomas A. Greene.	7 8	8 7	9 6	10 10	9	1½
S. A. Howland.	6 10	8 10	9 8	10 10	9	7½
Harrington Memorial.	6 4	8 9	9 4	10 1	8	7½
Linden Street.	7 6	7 11	9 9	10 8	8	11½
Merrimac Street.	6 9	9 2	9 1	11 2	9	½
Maxfield Street.	6 8	8 2	9 5	10 2	8	8
Thompson Street.	7	8 3			7	7½
Average age by grades.	7	8 7½	9 8½	10 8	8	10

### UNGRADED SCHOOLS.

	Grammar Department	Primary Department	Average age by schools	
	Yrs. Mos.	Yrs. Mos.	Yrs.	Mos.
Acushnet School.	12 10½	8 5½	10	8
Clark's Point School.	12 4½	7 8½	10	
Rockdale School.	12 8	7 2	9	11
North School.	12	7	9	6
North Mill School.			13	10
South Mill School.			14	
Av. age by departments.	12 5½	7 7	11	3

## PAROCHIAL AND PRIVATE SCHOOLS.

REPORT FOR YEAR BEGINNING JANUARY 8, 1895, ENDING  
DECEMBER 20, 1895.

PAROCHIAL SCHOOLS.	Total enrollment for year		Average number belonging	Average daily attendance	Per cent. of attendance	Under 5 years	Under 6 years	Between 6 and 8 years	Between 8 and 14 years	Between 14 and 15 years	Between 15 and 16 years	Over 16 years
	Boys	Girls										
St. Joseph's.	408	426	750	687	92		166		466	65	45	8
St. Mary's.	271	311	508	456	89		59	142	291	10	6	
Sacred Heart.	438	443	754	739	98		230		637	8	2	4
St. Hyacinth.	195	210	310	279	90	10	19	58	316	2		
	1312	1390	2322	2161	93	10	474	200	1710	85	53	12
PRIVATE SCHOOLS.	138	138	203	177	87	22	45	9	89	21	19	33

## TEXT-BOOKS USED IN THE HIGH SCHOOL.

## SCIENCE.

Appleton's Young Chemist.  
Remsen's Chemistry.  
Allen's Laboratory Manual.  
Dana's Geological Story Briefly Told.  
Packard's Zoology.  
Youman's Botany.  
Apgar's Plant Analysis.  
Avery's Natural Philosophy.  
Gillet and Rolfe's Astronomy.  
Physiography.  
Mills' Realm of Nature.

## GEOGRAPHY.

Guyot's Physical Geography.

## PHYSIOLOGY AND HYGIENE.

Dalton's Physiology and Hygiene.  
Hutchinson's Physiology and Hygiene.

## MATHEMATICS.

Robinson's Arithmetic, Part II.  
Well's Academic Arithmetic.  
Wentworth's School Algebra.  
Wentworth's New Plane Geometry.  
Wentworth's Plane and Solid Geometry.  
Wentworth's Trigonometry.  
Meservey's Bookkeeping.  
Meservey's Bookkeeping Blanks.

## HISTORY.

Barnes's History of Ancient Peoples.  
Swinton's Outlines World's History.  
Lancaster's History of England.  
Fiske's History of the United States.  
Martin's Civil Government.



## ENGLISH.

D. J. Hill's Rhetoric and Composition.  
Whitney-Lockwood English Grammar.  
Lockwood's Lessons in English.  
Southworth & Goddard's Elements of English Grammar.  
Underwood's American Authors.  
Underwood's British Authors.  
Brook's English Literature.  
Dowden's Shakespeare.  
Monroe's Sixth Reader.  
Irving's Sketch Book.  
Longfellow's Evangeline.  
Scott's Lady of the Lake.  
Franklin's Autobiography.  
Bryant's Poems.  
Holmes's The Chambered Nautilus.  
Lowell's My Garden Acquaintance, The Vision of Sir Launfal.  
Macaulay's Lays of Ancient Rome.  
Shakespeare's Merchant of Venice, Midsummer Night's Dream.  
Addison's The Sir Roger de Coverley Papers.  
Tennyson's The Coming of Arthur, Elaine, Guinevere, The Passing of Arthur.  
Milton's Paradise Lost, Book I.  
Shakespeare's As You Like It and Julius Cæsar.  
Chaucer's Prologue to the Canterbury Tales.  
Spenser's Faerie Queen, First Canto.  
Shakespeare's Hamlet.  
Webster's First Bunker Hill Oration.  
Burke's On American Taxation.  
Burke's On Conciliation with America.

## GERMAN.

Wenkebach's Deutsche Grammatik.  
Harris's German Lessons.  
Heness's Der Neue Leitfadén.  
Grimm's Haus Märchen.  
Goethe's Hermann and Dorothea.  
Ahn Henn's German Rudiments.  
Otto's German Grammar.  
Eichendorf. Aus dem Leben Eines Taugenichts.  
Riehl. Der Fluch der Schönheit.  
Chamisso. Peter Schlemil.  
Freytag. Aus dem Staat Friedrich's des Grossen.

Heine. Die Harzreise.

Goethe. Dichtung und Wahrheit, Hermann und Dorothea.

Lessing. Minna von Barnhelm.

Schiller. Wilhelm Tell, Das Glied von der Glocke.

Wenkebach. Lyrics and Ballads, Die Schönsten deutschen Lieder.

#### GREEK.

White's First Lessons in Greek.

Goodwin's Greek Grammar.

Jones's Greek Prose Composition.

Goodwin's Xenophon and Herodotus.

Boise's Homer's Iliad.

Autenrieth's Homeric Lexicon.

Crosby's Greek Lexicon.

Manatt's Xenophon Hellenica, Books I-IV.

Woodruff's Greek Prose Composition.

Perrin's Homer's Odyssey (for "Homer at Sight").

Harper's Xenophon's Anabasis (for "Xenophon at Sight").

#### LATIN.

Collar & Daniell's First Latin Book.

Jones's First Lessons in Latin.

Harkness's Latin Grammar.

Allen & Greenough's Cæsar.

Greenough's Virgil.

Harkness's Cicero.

Jones's Latin Prose Composition.

Lindsay's Nepos.

Kelsey's Selections from Ovid.

Harper's Virgil (for "Virgil at Sight").

#### FRENCH.

Van Daell's French Grammar.

Keetel's French Reader.

Roulier's First Book in French Composition.

Chardenal's French Course.

Hennequin's Idiomatic French.

Sauveur's Causeries avec mes Elèves.

Spiers & Surenné's French Dictionary.

Gréville. Dosia.

Bedollière. La Mère Michel.

Halévy. Un Mariage d'Amour.

About. *La Mère de la Marquise.*  
 Labiche. *Le Voyage de M. Perrichon.*  
 Sand. *La Mare au Diable.*  
 Erckmann-Chatrian. *Le Conscrit de 1813.*  
 Daudet. *Le Siège de Berlin, La Dernière Classe.*  
 Mérimée. *Colomba.*  
 De Vigny. *Cinq Mars.*  
 De Lamartine. *Graziella.*  
 Dumas. *La Tulipe Noire.*  
 Sandeau. *Mademoiselle de la Seiglière.*  
 Scribe et Legouve. *Bataille de Dames.*  
 Lamartine. *Jeanne d'Arc.*  
 La Fontaine. *Fables, Books I and II.*  
 Molière. *L' Avare, Le Bourgeois Gentilhomme.*  
 Corneille. *Le Cid, Horace.*  
 Racine. *Andromaque, Iphigénie.*

## SUPPLEMENTARY BOOKS USED IN THE HIGH SCHOOL.

Well's University Algebra.  
 Chauvenet's Geometry.  
 Walpole's Virgil, Book 1.  
 Sprague's Masterpieces in English Literature.  
 Scott's Poems.  
 Sprague's Paradise Lost, Books 1 and 2.  
 Hudson's Shakespeare, Vols, 1 and 2.  
 Rolfe's Childe Harold.  
 Collier's History of English Literature.  
 Lay of the Last Minstrel.  
 Vicar of Wakefield.  
 Shakespeare, by R. Grant White.  
 Martin's English Language.  
 Strang's Exercises in English.

### Modern Classics:

Goldsmith, Cowper and Hemans.  
 Fouque and St. Pierre.  
 Byron and Hood.  
 Burns and Scott.  
 Fields and Hawthorne.  
 Holmes and Brown.  
 Howells.  
 Campbell and Rogers.  
 Carlyle, Lamb and Southey.

Wordsworth and Coleridge.

Dickens and Fields.

Whittier.

Hawthorne and Carlyle.

Thackeray's Essays on Swift, Congreve, and Steele.

Macaulay's Life and Writings of Addison.

The Four Georges, Thackeray.

Thackeray's Essays on Prior, Gay, Pope, Hogarth, Smollett, Fielding,  
Sterne and Goldsmith.

Milton and Byron, Macaulay.

Sir Roger de Coverly, from Spectator.

Macaulay's Essay on Johnson.

Macaulay's Essays on Goldsmith, Bunyan and Madame D'Arblay.

Goldsmith's Plays.

Goldsmith's Poems.

Heath's German Dictionary.

Boisen's German Prose.

Wenkebach's Anschauung's Unterricht.

Johnson's Schiller's Ballads.

Sauveur's Contes Merveilleux.

Le Roi des Montagnes, About.

La Littérature Française Contemporaine, by Pylodet.

La Littérature Française Classique, Mennechet.

Emerson's Essays.

Swinton's Word Analysis.

Swinton's School Composition.

American Poems.

About Old Story Tellers.

Anderson's Historical Readers.

La Tour de la France.

Perry's Bible Manual.

Seaver & Walton's Metric System.

Sawyer's Metric System.

Model Etymology, Webb.

Stein's German Exercises.

Kellogg's Rhetoric.

Smith's Principia Latina.

Craik's English of Shakespeare, Julius Cæsar.

Jackson's Mathematical Geography.

Shaler's First Book in Geology.

Collar's Practical Latin Composition.

Gray's Lessons in Botany.

Earl of Chatham, Macaulay.

Courtship of Miles Standish.

Emerson's American Scholar.

Comus.

Lodge's Mechanics.

Hall & Bergen's Physics.

The House of The Seven Gables.

Fisk's Civil Government.

Luquien's French Prose.

The Abbott, by Scott.

Whitney's The Essentials of English.

Carhart & Chute's Physics.

Appleton's School Physics.

Macaulay's Essays—Milton and Addison.

The Foundations of Rhetoric, by A. S. Hill.

Irving's Tales of a Traveller.

The Plague Year, by DeFoe.

Arnold's Sohrab & Rustum.

Scott's Woodstock.

Silas Marner, George Eliot.

Montgomery's Leading Facts of English History.

Smith's Smaller History of Greece.

Gray's Botany.

Well's Geometry.

Berlitz Methode für den deutschen Unterricht, Zweiter Theil.

High School Choir.

High School Music Reader.

## TEXT-BOOKS USED IN THE GRAMMAR SCHOOLS.

Franklin New Third Reader.

Franklin New Fourth Reader.

Franklin New Fifth Reader.

Franklin Sixth Reader.

Bradbury's Eaton's Elementary Arithmetic.

Bradbury's Eaton's Practical Arithmetic.

Prince's Arithmetic, Part IV.

Prince's Arithmetic, Part V.

Prince's Arithmetic, Part VI.

Seaver & Walton's Mental Arithmetic.

Warren's Common School Geography.

Harper's Introductory Geography.

Worcester's School Dictionary.

Barnes's History of the United States.

Hyde's Language Lessons, Part I.

Hyde's Language Lessons, Part II.

Hyde's Language Lessons, Advanced.  
Harrington's Speller, Parts I and II.  
May's Anatomy, Physiology and Hygiene.  
Blaisdell's How To Keep Well.  
Prang's Drawing Books.  
Merrill's Vertical Writing Books.  
Second National Music Reader.  
Third National Music Reader.  
Fourth National Music Reader.

### SUPPLEMENTARY BOOKS USED IN THE GRAMMAR SCHOOLS.

Eggleston's First Book in American History.  
Higginson's History of the United States.  
Dickens' Child's History of England.  
Andersen's Historical Reader.  
Collier's British History.  
McKenzie's America.  
Ballou's Footprints of Travel.  
Sea Side and Way Side, Part II.  
Sea Side and Way Side, Part III.  
Child's Book of Nature, Parts I, II, III, IV.  
Choice Readings in Nature's Book.  
Johonnot's Geographical Reader.  
Scribner's Geographical Reader.  
Our World, Part I.  
Our World, Part II.  
Fables and Folk Stories.  
Kingsley's Water Babies.  
Riverside Series Nos.  
Tanglewood Tales.  
Grandfather's Chair.  
True Stories.  
Robinson Crusoe.  
Golden Book of Choice Readings.  
American Authors.  
Swinton's Book of Tales.  
Swinton's Supplementary Reader.  
Swinton's American Classics.  
Swinton's English Classics.  
Swiss Family Robinson.  
Washington Irving's Sketch Book.  
Lincoln's Gettysburg.



Arabian Nights.  
Vicar of Wakefield.  
King of the Golden River.  
Church's Old World Stories.  
Hans Brinker.  
Black Beauty.  
Little Men.  
Little Flower People.  
Little Lord Fauntleroy.  
Heroic Ballads.  
At the Back of the North Wind.  
Stories of Industry.  
Blue Jackets of 1776.  
Blue Jackets of 1812.  
Blue Jackets of 1861.  
World at Home, Europe.  
World at Home, The World.  
Peasant and Prince.  
Prince and Pauper.  
Quentin Durward.  
Whittier's Snow Bound.  
Glee and Chorus Book.

### TEXT-BOOKS USED IN THE PRIMARY SCHOOLS.

Franklin New First Reader.  
Franklin New Second Reader.  
Franklin New Third Reader.  
Harrington's Speller, Part I.  
Prince's Arithmetic, Part II.  
Prince's Arithmetic, Part III.  
Prang's Drawing Books.  
Merrill's Vertical Writing Books.  
National Music Second Readers and Charts.

### SUPPLEMENTARY BOOKS USED IN THE PRI- MARY SCHOOLS.

Monroe's Primer.  
Monroe's First Reader.  
Monroe's Second Reader.  
Monroe's Third Reader.  
Parker & Marvel's First Book.

Parker & Marvel's Second Book.  
Sheldon's Second Reader.  
Sheldon's Third Reader.  
Appleton's First Reader.  
Appleton's Second Reader.  
Appleton's Third Reader.  
Swinton's Second Reader.  
Swinton's Third Reader.  
Willson's First Reader.  
Willson's Second Reader.  
Willson's Third Reader.  
Butler's First Reader.  
Butler's Second Reader.  
Stickney's First Reader.  
Stickney's Second Reader,  
Holmes's First Reader.  
Holmes's Second Reader,  
Harper's First Reader.  
Harper's Second Reader.  
Normal Primer.  
Normal First Reader.  
Barnes's First Reader.  
Barnes's Second Reader.  
Barnes's Third Reader.  
Modern Second Reader.  
Cleveland's First Reader.  
Seven Little Sisters.  
Each and All.  
Andersen's Fairy Tales.  
King's Picturesque Geography.  
Seaside and Wayside, Part I.  
Baker's Young Folks' Geography.  
Fables and Folk Stories.  
Wood's Natural History First Reader.  
Wood's Natural History Second Reader.  
Wood's Natural History Third Reader.  
Heart of Oak Series, No. 1.  
Heart of Oak Series, No. 2.  
Verse and Prose for Beginners.  
Æsop's Fables, Vols. I. and II.  
Grimm's Fairy Tales.  
Legends of Norseland.  
Riverside Primer and First Reader.

## PEDAGOGICAL LIBRARY.

Books added during the year as follows:—

224	Trees of North Eastern America.	Charles S. Newhall.
225	Shrubs of North Eastern America.	Charles S. Newhall.
226	Human Body.	Martin.
227	Commissioners' Report on Manual Training.	
228	Report of the Committee of Ten.	
229	Talks on Pedagogics.	Col. Parker.
230	Talks on Pedagogics.	Col. Parker.
231	Talks on Pedagogics.	Col. Parker.
232	Outlines of Pedagogics.	Rein.
233	Mistakes in Teaching.	Hughes.
234	How to Know The Wild Flowers.	Dana.
235	Eclectic Physical Geography.	Hinnman.
236	Elementary Meteorology.	Davis.
237	The Realm of Nature.	Mill
238	Sea and Land.	Shaler.
239	Methods of Mind Training.	Aiken.
240	First Book in Geology.	Shaler.
241	The Psychology of Number.	McLellan & Duvey.
242	Physiography.	T. H. Huxley.

## SCHOOL BOARD, 1895.

DAVID L. PARKER, Mayor, Chairman, *ex officio*.

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FRANK A. MILLIKEN, Vice-Chairman.

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WILLIAM E. HATCH, Secretary and Superintendent.

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OLIVER PRESCOTT, JR., President of the Common Council, *ex officio*.

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*Ward 1*—George W. Hillman, Louis Z. Normandin, Anna R. Borden.

*Ward 2*—Isaac B. Tompkins, Jr., Frank A. Milliken, Edward T. Tucker.

*Ward 3*—William R. Channing, William H. Pitman, Stephen H. Shepherd.

*Ward 4*—Ada W. Tillinghast, Seth W. Godfrey, George H. Batchelor.

*Ward 5*—Jonathan Howland, Jr., Sylvia B. Knowlton, Robert W. Taber.

*Ward 6*—Betsey B. Winslow, Francis M. Kennedy, Joseph C. Pothier.

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## STANDING COMMITTEES.

WILLIAM E. HATCH, Secretary.

The first named on each standing committee is Chairman of the same.

*On High School*—Pitman, Howland, Miss Winslow, Mrs. Borden, Tompkins, Shepherd, Batchelor, Channing, Milliken.

*On Grammar Schools*—Tompkins, Pitman, Howland, Mrs. Borden, Milliken, Taber, Channing, Mrs. Knowlton, Shepherd.

*On Primary Schools*—Shepherd, Tompkins, Miss Winslow, Mrs. Borden, Kennedy, Godfrey, Channing, Tucker, Taber.

*On Ungraded Schools*—Mrs. Borden, Howland, Godfrey, Pothier, Taber, Tucker, Normandin, Mrs. Tillinghast.

*On Training School*—Milliken, Pitman, Kennedy, Miss Winslow, Channing, Pothier, Mrs. Knowlton, Hillman.

*On Truants*—Godfrey, Pothier, Normandin, Mrs. Tillinghast.

*On Evening Schools*—Kennedy, Hillman, Godfrey, Tucker, Pothier, Normandin, Mrs. Knowlton, Mrs. Tillinghast.

*On Music*—Batchelor, Mrs. Borden, Godfrey, Shepherd, Taber, Pothier, Normandin, Mrs. Knowlton.

*On Manual Training*—Hillman, Miss Winslow, Batchelor, Kennedy, Godfrey, Tucker, Normandin, Mrs. Knowlton.

*On Examination of Teachers*—Miss Winslow, Mrs. Borden, Tucker, Batchelor, Mrs. Tillinghast.

*On Text Books*—Pitman, Kennedy, Milliken, Pothier, Tucker, Mrs. Knowlton, Mrs. Tillinghast, Hillman.

*On Expenditures*—Howland, Tompkins, Pitman, Shepherd, Kennedy, Milliken, Taber, Channing, Prescott.

*On Howland Fund*—Tompkins, Howland, Pitman, Shepherd, Kennedy, Milliken, Channing, Hillman, Prescott.

*On Rules*—Taber, Tucker, Pothier, Batchelor, Hillman.

## SCHOOL BOARD, 1896.

DAVID L. PARKER, Mayor, Chairman *ex officio*.

FRANK A. MILLIKEN, Vice-Chairman.

WILLIAM E. HATCH, Secretary and Superintendent.

Office 133 William street.

Office Hours, 8.30 to 9 A. M., 12.30 to 1 P. M.

Saturdays, 9 to 9.30 A. M.

ARTHUR L. BLACKMER, President of the Common Council *ex officio*.

Regular meetings of the Board, first Monday of each month at 7.30 P. M., except in months of January, August and September. In January and September, the meetings will be held the Tuesday after the first Monday. In August no meeting of the Board will be held.

## WARD ONE.

Name.	Place of Business.	Residence.
John H. Lowe,	925 Acushnet avenue,	931 Acushnet avenue.
George W. Hillman,		1036 Acushnet avenue.
Louis Z. Normandin,	584 Purchase street,	586 Purchase street.

## WARD TWO.

Edward T. Tucker,	258 Pleasant street,	258 Pleasant street.
Isaac B. Tompkins, Jr.,	78 Union street,	691 County street.
Frank A. Milliken,	43 William street,	290 Pleasant street.

## WARD THREE.

Stephen H. Shepherd,	Standard office,	154 Maxfield street.
William R. Channing,	192 Union street,	53 Fifth street.
William H. Pitman,	Five Cents Savings Bank,	60 Chestnut street.

## WARD FOUR.

George H. Batchelor,	Institution for Savings,	187 Cottage street.
Ada W. Tillinghast,		37 Eighth street.
Seth W. Godfrey,		429 Union street.

## WARD FIVE.

Robert W. Taber,	28 Pleasant street,	48 Fifth street.
Jonathan Howland, Jr.,		54 Russell street.
Sylvia B. Knowlton,		348 Union street.

## WARD SIX.

Clarence R. Sherman,	7 Leonard street,	248 County street.
Betsey B. Winslow,		315 County street.
Francis M. Kennedy,	Eddy Building,	93 Washington street.

EMMA M. ALMY, Superintendent's Clerk.

MARY C. POTTER, Assistant Clerk in Superintendent's Office,  
and Clerk at High School.

HENRY SMITH, Truant Officer,	372 Cottage street.
WILLIAM A. BAKER, Truant Officer,	214 Fourth street.

Office Hours, 12.30 to 1 P. M.; Saturdays, 9 to 9.30 A. M.

GEORGE K. DAMMON, Messenger and Truant Officer, 137 Smith street.

Office of Superintendent of Schools open from 8.30 A. M. to 4.30 P. M., except Saturdays. Saturdays, from 9 A. M. to 11 A. M., 2 P. M. to 4 P. M.



## STANDING COMMITTEES.

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WILLIAM E. HATCH, Secretary.

The first named on each standing committee is Chairman of the same.

*On High School*—Pitman, Howland, Winslow, Tompkins, Shepherd, Batchelor, Channing, Milliken, Knowlton.

*On Grammar Schools*—Tompkins, Pitman, Howland, Milliken, Taber, Channing, Knowlton, Shepherd, Tillinghast.

*On Primary Schools*—Shepherd, Tompkins, Winslow, Kennedy, Godfrey, Tucker, Taber, Tillinghast, Lowe.

*On Ungraded Schools*—Tucker, Howland, Godfrey, Taber, Normandin, Tillinghast, Sherman, Lowe.

*On Training School*—Milliken, Kennedy, Winslow, Knowlton, Hillman, Tillinghast, Batchelor.

*On Truants*—Godfrey, Normandin, Sherman, Lowe.

*On Evening Schools*—Kennedy, Hillman, Godfrey, Tucker, Normandin, Knowlton, Tillinghast, Sherman, Lowe.

*On Music*—Batchelor, Godfrey, Shepherd, Taber, Knowlton.

*On Manual Training*—Hillman, Winslow, Batchelor, Godfrey, Tucker, Normandin, Knowlton, Sherman, Lowe.

*On Examination of Teachers*—Winslow, Tucker, Batchelor, Tillinghast, Kennedy.

*On Text Books*—Tillinghast, Kennedy, Milliken, Tucker, Knowlton, Hillman, Lowe.

*On Expenditures*—Howland, Tompkins, Pitman, Shepherd, Kennedy, Milliken, Taber, Channing, Blackmer.

*On Howland Fund*—Tompkins, Howland, Pitman, Shepherd, Kennedy, Milliken, Channing, Hillman, Blackmer.

*On Rules*—Taber, Tucker, Batchelor, Hillman, Sherman.

ANNUAL REPORT  
OF THE  
SUPERINTENDENT OF SCHOOLS.  
FOR THE YEAR 1895.



# Report of the Superintendent.

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*To the School Committee:*

LADIES AND GENTLEMEN :—I hereby submit to you my eighth annual report. It is the thirty-fifth of the series of Annual Reports of the Superintendent of Schools of the city. By a vote of your board, this report, together with that of the secretary, is to constitute the Annual Report of the School Committee.

## ATTENDANCE OF PUPILS IN THE SCHOOLS OF THE CITY, INCLUDING PRIVATE AND PAROCHIAL.

The reports for the year show a large increase in the enrollment and attendance of pupils in the public schools. The reports from the private and parochial schools show quite an increase in the attendance upon them also. The gain in the public schools was much larger than the year before, being 434. The per cent. of attendance was a slight improvement over the preceding year, but the cases of tardiness and dismissal were more especially the cases of dismissal, which increased 6234.

The tardinesses and dismissals in the schools have been growing evils for several years. In certain rooms of the primary schools in the north and south parts of the city,

dismissals have been so numerous as to affect the work. The chief reason why so many pupils were dismissed in them was that the pupils might carry the dinners to members of their family who worked in the mills. The Board has suspended forenoon recesses in the primary schools during the winter months partly for this reason. Many pupils are dismissed in all the schools for various other causes; but no individual pupil asks as a rule to be dismissed oftener than once a week except to carry dinners or newspapers. The great mass of the pupils seldom ask to be dismissed, but many of them suffer from the fact that many of those regularly dismissed become drags upon their classes. Many cases of tardiness are caused by boys who go on milk routes and by children who are obliged to assist at home. These may be classed as excusable cases; but there are too many which are not excusable; and many parents are responsible for engendering bad habits in their children by excusing their unnecessary failings. The teachers are constantly being checkmated in their efforts to inculcate good habits in their pupils by the want of coöperation on the part of many parents.

I give in this connection a comparative statement of attendance in all the schools of the city for the year 1894 and 1895. On a preceding page of this report is given a tabulated statement of the attendance, tardinesses, dismissals and other items of interest in all the schools of the city.

## PUBLIC SCHOOLS.

	1895.	1894.	Increase.
Enrollment of pupils,	7,860	7,426	434
Average number belonging,	6,005	5,751	254
Average daily attendance,	5,542	5,270	272
Per cent. of attendance,	92.3	91.8	.5
Number cases of tardiness,	16,003	15,893	110
Number cases dismissals,	38,184	31,950	6,234

## PRIVATE AND PAROCHIAL SCHOOLS.

	1895.	1894.	Increase.
Enrollment of pupils,	2,978	2,852	126
Average number belonging,	2,525	2,472	53
Average daily attendance,	2,339	2,272	67
Per cent. of daily attendance,	92.6	92.3	.3

## PUBLIC, PRIVATE AND PAROCHIAL SCHOOLS.

	1895.	1894.	Increase.
Enrollment of pupils,	10,838	10,278	560
Average number belonging,	8,530	8,223	307
Average daily attendance,	7,881	7,542	339
Per cent. of daily attendance,	92.4	92.1	.3

## TRUANCY.

The Board has appointed an additional truant officer, William A. Baker, who entered upon the duties of his office last September. Prior to his appointment, one officer, Henry Smith, attended to the absenteeism in the day schools: the other, George K. Dammon, attended to the absenteeism in the evening schools and in addition was janitor of the School Committee rooms and Superintendent's office, attending in that capacity not only to the ordinary duties of a janitor, but receiving and distributing under the direction of the Superintendent all the books and supplies used in the schools; he also acted as messenger of the Board and the Superintendent. The attendance upon both the day and evening schools became so large, and the amount of books and supplies used grew to such proportions that neither of these men could perform adequately the duties required of them. The Board recognized this and appointed the additional officer. The city has been divided into two districts for the purpose of truant service and absenteeism, and Mr. Smith and Mr. Baker look after these matters in both the day and evening schools. Each day school is visited by one of these officers each school day, and they also see that the law is



enforced in regard to attendance of illiterates in the evening schools. They also perform truant service for the parochial schools, when such service is needed. The work is now being very satisfactorily performed, and few truants or other offenders against the school laws relating to attendance, escape their vigilance. Mr. Dammon is also appointed truant officer that he may act in case of necessity.

I have spoken so frequently in previous reports of the causes of truancy, that it is needless for me to repeat here what I have said. Notwithstanding all the efforts that are exerted by teachers and truant officers, the ratio of truants holds about the same as it has for some years. The schools are constantly being recruited by a large class of pupils over whom no wholesome home influence is exerted, many of whom also have not had the benefit of the training given in our lower schools. Their habits are bad before they enter our schools, and it is hard to train them into better ones. The primary causes of truancy and inexcusable absenteeism are the lack of proper home training and the latitude given to children by ignorant, weak, and sometimes debased parents.

I subjoin the reports of the officers for the past year.

#### REPORT OF HENRY SMITH, TRUANT OFFICER.

Schools visited,	1,330
Absences reported by teachers,	844
Absences without permission of parents,	129
Second offences,	29
Third offences,	17
Parents notified,	870
Taken to school from street,	15
Arrests,	12
Prosecutions,	13
On probation,	2
Sentenced to Truant school,	10
Visits to mills,	16
Violations of labor law,	5
Prosecutions for neglect in sending children to school,	1

## REPORT OF WILLIAM A. BAKER, TRUANT OFFICER.

For September, October, November and December.

Schools visited,	562
Absences reported by teachers,	417
Absences without permission of parents,	57
Second offences,	9
Third offences,	2
Parents notified,	441
Taken to school from street,	19
Arrests,	1
Prosecutions,	1
On probation,	1
Cases of tardiness investigated,	6
Visits to mills,	7
Violation of labor law,	0

## REPORT OF GEORGE K. DAMMON, TRUANT OFFICER.

Visits to mills and mercantile establishments,	227
Cases of absences from evening schools investigated,	306
Visits to schools,	5
Violation of labor law,	3

LABOR LAWS AND EMPLOYMENT  
CERTIFICATES.

All children under sixteen years of age who wish to work in any mercantile or manufacturing establishment of the city are compelled to secure an employment ticket from the office of the Superintendent of Schools. This entails upon the office a great deal of labor in issuing the necessary tickets and recording them, and takes much time in making necessary explanations to those who are denied them. The laws also are somewhat complex, and are constantly being tinkered. Many who apply at the office for certificates, when refused, through ignorance of the laws blame the school authorities for the refusal.

I have reason to think that occasionally a parent makes false oath as to the age of his child, but I think also that the cases are rarer than is intimated by some critics. I

am not inclined to doubt a parent's oath because a child appears younger than is claimed. The laws relating to school attendance, if really intended to bear equably upon all in the requirements for school attendance, need much amending. The laws do not now give due recognition to educational attainment, and they also leave too many loopholes for those who wish to evade the laws to do so.

Many more certificates were issued from the office this year than last, and some idea can be had of the work required in issuing them from the figures given below.

Number of certificates issued,		807
For the first time,	780	
Duplicate certificates,	27	807
Birthplaces of those to whom certificates were issued :		
United States,	314	
Canada,	226	
England,	117	
Western Islands,	70	
Ireland,	14	
Germany,	13	
Scotland,	10	
Belgium,	6	
Russia,	3	
France,	2	
Bohemia,	1	
Italy,	1	
Portugal,	1	
Norway,	1	
Prince Edward's Island,	1	780
Vacation certificates issued during the summer vacation,		159

## THE ERECTION OF SCHOOL BUILDINGS AND THE SELECTION OF SITES FOR THEM.

While the average modern schoolhouse is a great improvement over its prototype, the ideal schoolhouse is yet a thing of the future. It is no uncommon sight in any of our cities to see an expensive schoolhouse constructed of fine materials, the creation of some well-known architect,

erected on a lot which it almost or entirely covers, surrounded by buildings which shut out the sunlight and wholesome air, the two primary requisites for the health and well-being of the hundreds of pupils housed therein. There are no playgrounds about this schoolhouse where the pupils may exercise their limbs in wholesome sport in suitable weather; therefore they must remain shut up until the close of school to be projected in mass upon the crowded streets in danger from passing teams or still more dangerous electric or cable cars. Or if this schoolhouse has a playground it is frequently much too small, or is damp and muddy much of the time, either from its low situation and lack of drainage, or want of proper preparation for the purpose which it is to subserve. There are many other types of modern schoolhouses and premises which are much more objectionable in their features than the one portrayed.

The site for a schoolhouse should be selected with great care and the number of pupils who are to be accommodated in the school should always be an important factor in determining the size of the lot. The site should be dry and free from unwholesome surroundings. In parts of Germany, borings are made in the soil where it is proposed to erect a schoolhouse to determine whether the land is suitable or not and if proven to be unfit, the site is rejected. Whoever heard of such a thing being done in this country? It is too frequently the case that a schoolhouse site is purchased because some one has some land he wishes to sell, or because it is cheap, and not because it is most suitable.

Sanitation should receive also much more consideration in the construction of schoolhouses than it does. It is true that some improvement has been made within a few years in this respect, but there is still by far too much construction that is based on guess work or theory rather than on

scientific investigation. Why should not every city have an advisory board composed of leading physicians who should be consulted when new schoolhouses are to be built! What city would think of building a hospital and equipping it without the advice of leading medical authority? Is it wise to prevent disease, or to foster it, and attempt to cure it after it comes?

There has been a remarkable improvement made in the schoolhouses of our city within the past decade. Most of them compare favorably with those in the other cities of the Commonwealth. But like those of other cities there is considerable that may be criticised in them or in their surroundings.

Some of the older ones are still very poorly ventilated; the heating apparatus in others has proven inadequate, necessitating the closing of schools in them in very cold weather. And especially is there room for criticism in the selection of sites for some of them. The grounds of a number are far too small, and in one or two cases expensive schoolhouses have no playgrounds whatsoever, or at least have none worthy the name.

But the chief ground for criticism in the matter of school-buildings in our city is the delay in purchasing sites and erecting schoolhouses after the necessity for increased school accommodations has been clearly shown. Several hundred children are now housed in rented buildings and some of them have been there for two years. These temporary quarters, with all that can be done, are not proper places for schools to be held. They are not properly lighted or ventilated and are not properly situated: but they are as good as could be secured in the district where they were needed. Two schoolhouses now in process of erection will relieve the overflow in one section. One of these schoolhouses was asked for by the School Committee three years ago. At the same time the Committee asked that a



lot be purchased in the southwest part of the city and plans secured for the erection of a building there. As yet not even a lot has been secured although one class of the Dartmouth street school children is housed in a store, and there are now thirty-five more children in the lowest grades of the I. W. Benjamin school than there are seats in these rooms. I doubt the expediency of the past policy of our city in failing to provide school accommodations as fast as required, while children are housed in rented buildings unsuitable in many respects, and for which a large rental is usually demanded. That it is the policy of many other cities, some of which carry it to a greater extent than is done here, is no argument in its favor.

### THE ELEMENTARY SCHOOLS.

Schools are presumably doing what they are designed to do when they are awakening and stimulating the imagination of the pupils, teaching them to observe the phenomena by which they are surrounded, training their memory, judgment and reason, cultivating in them a proper moral and religious sense, which is the source of character, and imparting such knowledge as will be of use to them in both their present and future lives. Schools which do not attempt to do each of these things are wanting in an essential degree.

The teachers in our schools are working along all these lines, and with due allowance for the limitations with which all schools are circumscribed I feel that they are meeting with good success. Pupils from the day of their entrance to school are taught to observe, to state the results of their observations, and later to record these observations in sentence, story, and drawings. Their imagination is stimulated by legend, song and picture; their memory, reason and judgment are constantly trained by



suitable exercises; they are taught obedience to law, love of country, habits of neatness and order, self respect and respect for the rights of others; by readings from the scriptures each morning and in many other ways as occasion serves from day to day they are taught to reverence their God and his works.

The course of study is varied in its subjects ranging as it does from the study of the vernacular to the interpretation of nature's laws and the underlying principles of art and music; from roaming in classic literature to the arts of sewing, cooking and wood-working.

Are all these things done well? Yes, fairly well; by some teachers it is true better than by others, but in most rooms as well done as can reasonably be expected under present conditions.

There has been but one change during the year in the subjects taught or in the general methods of teaching, and that was the change made in the teaching of penmanship. Vertical penmanship was introduced into all the schools at the beginning of the fall term. While it is yet too early to speak authoritatively of the result, I have no hesitation in saying that the legibility of the hand-writing of the pupils has already improved wonderfully, and they seem to acquire the art much easier than with the slanting or Italian style. I am quite sure also from my observations that the position required of pupils in writing by the vertical method is better for them physically than in the slanting method, although pupils will assume injurious positions in writing by the vertical method if teachers permit.

The departmental plan of teaching, adopted in the grammar grades the previous year, has been continued, and I think better results are obtained on the whole than under the previous plan. As our departmental work is on a much modified plan from the plan tried elsewhere—be-

ing confined to grades—specialization of work is accomplished in a measure, and at the same time a teacher does not instruct so great a number of pupils that she cannot know them well if she desires to do so.

The manual training for the boys of the three upper grammar grades begun the year before, has been continued and with marked success. It is not only popular with the boys, but gives them a most valuable mental training. A volunteer class from the High school has been in attendance since September, continuing in this way the work begun by them when in the grammar schools.

The cooking school continues successful under the new teacher. This course although popular with most of the girls is not so universally so as the manual training department is with the boys. But I am convinced that the instruction is not only valuable in its humanitarian effects but as a means of pure mental discipline. Volunteer classes from the High school also attend this school.

The experiment is being tried of closing one of the outlying schools and transporting the pupils into the graded schools of the centre. The Plainville school was chosen for the trial as that was the smallest of the outlying schools and the resignation of the teacher of the school gave a good opportunity for the trial. The pupils have made marked advance since coming in to the graded schools, and this fact is recognized by their parents. Some complaints have been made from time to time in regard to the arrangements for transportation, and I am sure if any demand is made to return to the old plan it will be from dissatisfaction with the faults of transportation and because provision is not made whereby the pupils may be suitably cared for in the noon recess. The Rockdale school was closed for a short time also and the pupils given opportunity to attend the graded schools. But the parents of that district declined to give the plan a fair trial and the school

was reopened. I still believe that with a proper system of transportation and with suitable arrangements for the children during the noon hour that the pupils of the outlying schools, if they were brought into the central graded schools, would be more regular in their attendance, their training and instruction would be better and the attrition with the children of the larger schools would be most beneficial for them.

Several of the grammar and primary schools have become so crowded that it has become necessary to rent outside quarters for several classes. This is most unfortunate for several reasons. The rooms, although the best that could be secured are far from what schoolrooms should be. The pupils are removed from the supervision of their principals and the teachers in a great measure from the coöperation and assistance of their principals and fellow teachers. Two grammar classes are quartered in the Hacienda building on Acushnet avenue; two primary classes occupy the vestry of a church on Weld street and one a store at the corner of Cottage and Allen streets. When the new buildings under process of construction in the north part of the city are completed four of these classes will again be in proper quarters. When the overflow from Dartmouth street school will be provided for is yet not apparent. The I. W. Benjamin school is now overcrowded in the lower grades also and must be relieved soon.

The Mill schools are fuller than ever before. The four classes now number about 175 pupils. The two which have occupied two rooms in the Merrimac street school-house have been compelled to move during the year to make room for the primary pupils in that section and are now quartered in two rooms in the Hacienda building. These rooms are not large enough for these schools and are unsuitable in shape for school purposes and poorly

lighted. The teachers labor under great disadvantages in conducting their schools in them but no relief can come until next fall. I have spoken elsewhere of this short-sighted policy of not keeping apace with the growth of the city in erecting schoolhouses.

I give in this connection a table which shows the per cent. of promotions in all the grades of the schools the past year. It seems to me that the per cent. of non-promotions in some grades and in certain schools is too large. That there are so many non-promotions in the first grade is due principally to the fact that classes are admitted three times each year; very few of those admitted in January or April are advanced until the following year. It is very easy for a child to lose a year in his course by not being advanced as fast as he should be. Some special promotions are made each year but not as many as I wish there were. I am inclined to think that semi-annual promotions would benefit the schools; certainly many bright pupils would be given a better opportunity thereby.

PER CENT. OF PROMOTIONS IN THE ELEMENTARY SCHOOLS.

	9th Grade	8th Grade	7th Grade	6th Grade	5th Grade	4th Grade	3rd Grade	2nd Grade	1st Grade
Fifth street,	83.3	98.7	91.5	89.5	92.4				
Middle street,	79.3	82.2	89.5	97.3	88.5				
Parker street,	80.4	77.9	84.2	83.8	78				
Thompson street,			96.1	88.2	91.4				
Harrington,				75.8	74	80.8	77.6	80.7	50
Acushnet avenue,						94.7	90	87.5	50.7
I. W. Benjamin,						90.2	82.5	85.8	60.4
Cedar street,						70.6	85.4	78.6	52
Cedar Grove street,			100	92.3	80.5	65.3	80.3	83.7	51.7
Cannonville,						100	92.3	100	57
Dartmouth street,						96.6	92.6	91.2	46.7
Thomas A. Greene,						89.3	87.7	92.6	41.7
Sylvia Ann Howland,						84.6	84.2	84.8	57.6
Linden street,						60.8	75	77.3	39.2
Merrimac street,						66.6	80.9	80.8	45
Maxfield street,						90.3	91.4	89.5	73.3

I give also in connection a weekly schedule of time for the different branches taught in the elementary schools. This schedule is subject to change from time to time.



# NEW BEDFORD SCHOOLS-1895.

Weekly Schedule of Studies for Grammar Grades.

## GRADES.

5	6	7	8	9
HOURS EACH WEEK.				
1	1	1	1	1
1½	1½	1½	1	1
4½	4½	4	3½	3½
4	4	4	3½	3½
4	4	4	4	4
3	3	3½	2	1
			3	4
1½	1½	1½	1½	1½
1	1	1	1	1
1½	1½	1½	1½	1½
1	1	1	1	1
1½	1½	1½	1½	1½
¾	¾	¾	¾	¾
25	25	25	25	25

## REMARKS.

Moral Training (Opening exercises)	.	.
Physical Training	.	.
Reading and Memory Gems	.	.
Arithmetic (Written and Mental)	.	.
Language (including Composition and Spelling)		
Geography	.	.
U. S. History and Civics	.	.
Drawing	.	.
Music (Singing)	.	.
Elementary Science (including Physiology)		
Penmanship	.	.
Manual Training (including Sewing, Cooking, Woodworking)	.	.
Literature	.	.
Totals	.	.

Twelve minutes each morning.

Twelve to eighteen minutes each day.

Three half-hour periods each week.

Ten minutes periods, with one longer period with Supervisor.

Three half-hour periods.

Two half-hour periods each week.

Sewing, one period, one hour. Cooking and woodworking, half-day once in two weeks.



# YEAR 1895.

Weekly Time Schedule for Primary Grades.

## NEW BEDFORD SCHOOLS.

## GRADES.

1	2	3	4
HOURS EACH WEEK.			
$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
7	6 $\frac{1}{2}$	6	5
5	5 $\frac{1}{2}$	5	5
1	1	1	1
4	4	4	4 $\frac{1}{2}$
$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	1
1	1	1	1
1	1	1	1
		1	1
1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$
3 $\frac{1}{2}$	3 $\frac{1}{2}$	3 $\frac{1}{2}$	3 $\frac{1}{2}$
25	25	25	25

## REMARKS.

Six minutes each morning.

Fifteen or twenty minute periods, according to grade.

Fifteen or thirty minute periods, according to grade.

Ten minute periods or longer in upper grades.

Fifteen or twenty minute periods, according to grade.

One lesson a week.

Outdoor recesses twenty minutes (see Regulations or Indoor Gymnastics ten minutes both forenoon and afternoon.

Moral Training (Opening exercises)	.	.
Reading	.	.
Numbers (Arithmetic)	.	.
Penmanship	.	.
Language, including { Spelling Punctuation, Capitalization, etc.	.	.
Geography	.	.
Music (Singing)	.	.
Drawing	.	.
Manual Training (Sewing, etc.)	.	.
Elementary Science (including Physiology)	.	.
Recesses and Gymnastics	.	.

Totals . . . . .

## THE HIGH SCHOOL.

In my report of the schools for the year 1894 I called attention to the fact that the High school instead of increasing was actually decreasing in numbers. The decrease the past year was greater even than for the preceding year. The following table shows the attendance upon the High school and upon all the schools for the eight years past. No accurate data are available farther back than 1888.

HIGH SCHOOL.			ALL THE SCHOOLS.		
Enrollment.	Average membership.	Average attendance.	Enrollment.	Average membership.	Average attendance.
1888-466	329	311	5,477	3,988	3,652
1889-459	320	305	5,696	4,220	3,925
1890-477	332	315	5,853	4,609	4,099
1891-515	353	337	6,383	5,024	4,520
1892-507	367	349	6,713	5,379	4,822
1893-517	386	365	6,884	5,543	4,985
1894-510	356	341	7,426	5,751	5,269
1895-500	322	311	7,860	6,004	5,542

It is not my purpose to attempt an analysis of the causes which have produced this condition; but it seems to me to be a condition that warrants thorough investigation by the Board. It ought to be definitely determined whether the course in the High school fails to meet the wants of a large body of our citizens, or whether the methods of instruction and government in any great measure fail to command the confidence of many parents, or whether the causes lie wholly without the school. The fact confronts us that the average daily attendance in the past year was the same as it was eight years ago, 51 less than it was in 1893, and 30 less than in 1894. The attendance in the lower schools on the other hand during these eight years has increased 51.7 per cent. as shown above.

The policy of the Board has been as liberal toward the

school during the past year as during any—in fact the cost of the school per scholar was greater the past year than in any of the seven years next preceding. It is therefore not retrenchment that has affected the school.

Mr. Allen, the science teacher, was granted leave of absence in June for a year of study, and is now at John Hopkins University. Mr. Warren R. Smith, a graduate of Bowdoin College, and who had also taken the degree of Ph. D. from the Chicago University, was chosen to fill the vacancy for the year. Mr. Smith had also had some experience in teaching before coming here. He is filling the position most acceptably. Miss Mary E. Austin, teacher of history, was granted leave of absence for the greater part of the fall term that she might take a much needed rest. Just before the time for her to resume her duties she was taken ill, and will be absent for some months longer. Miss Charlotte M. Murkland, a graduate of Smith's College and our Training school, is filling the position in a most satisfactory manner. It is not a difficult matter to secure suitable teachers to fill positions in the schools for a year or during a long leave of absence of a teacher, but when teachers are absent temporarily the school suffers. There seem to be no available substitutes just at present in the city for High school work.

The following statistics relating to the school are important and worth perusal :

Per cent. of promotions the past year by classes.

Senior,	100
Sub-Senior,	98.4
Junior,	81.8
Sub-Junior,	77.8

Number of pupils who have left school during year and causes therefor.

	Boys.	Girls.	Total.
Seniors,	1	4	5
Sub-Seniors,	4	7	11
Juniors,	12	7	19
Sub-Juniors,	12	15	27
Total,			62

### Causes for leaving.

	Boys.	Girls.	Total.
Illness, eyes, etc.,	2	15	17
Moved from city,		4	4
Died,		1	1
To work,	9	2	11
Neglect of school work,	7	1	8
Not promoted,	6	1	7
Tuition pupil (expense),		1	1
Reasons unknown,	6	7	13
Total,			62

### Graduates of 1895 pursuing advanced courses.

	Girls.	Boys.	Total.
College,	3	3	6
Normal school,	3	0	3
Swain school,	3	2	5
Harrington Training school,	8	0	8
Institute of Technology,	0	1	1
Kindergarten Training school,	1	0	1
Post Graduates in the High school,	6	1	7
	24	7	31

Post graduates in the High school during 1895, now pursuing advanced courses.,

	Girls.	Boys.	Total.
College,	1	0	1
Harrington Training school,	3	0	3
	4	0	4

### Pupils entering the High school in September, 1895.

	Girls.	Boys.	Total.
From New Bedford public schools,	69	52	121
From other schools,	11	4	15
	80	56	136

## Post graduates in the High school in 1895.

	Girls.	Boys.	Total.
From January to June,	2	0	2
From September to December,	10	1	11
	<hr/> 12	<hr/> 1	<hr/> 13

Intention of present pupils, concerning advanced courses.  
Classical course, (to enter College with Greek.)

	Girls.	Boys.	Total.
Senior class,	3	0	3
Sub-Senior class,	3	2	5
Junior class,	2	5	7
Sub-Junior class,	0	7	7
	<hr/> 8	<hr/> 14	<hr/> 22

## To enter College with Greek.

	Girls.	Boys.	Total.
Senior class,	4	3	7
Sub-Senior class,	3	5	8
Junior class,	4	3	7
Sub-Junior class,	12	11	23
	<hr/> 23	<hr/> 22	<hr/> 45

## To enter Scientific, Medical or Law schools.

	Girls.	Boys.	Total.
Senior class,	0	6	6
Sub-Senior class,	0	2	2
Junior,	0	1	1
Sub-Junior class,	0	5	5
	<hr/> 0	<hr/> 14	<hr/> 14

Intention of present pupils, concerning advanced courses.  
To enter the Harrington Training, or State Normal school.

	Girls.	Boys.	Total.
Senior class,	15	0	15
Sub-Senior class,	18	0	18
Junior class,	14	0	14
Sub-Junior class,	12	0	12
	<hr/> 59	<hr/> 0	<hr/> 59

THE HARRINGTON TRAINING SCHOOL FOR  
TEACHERS.

In my report last year I recommended to the Board that the normal and training course for teachers in the school be made two years long instead of one and a half years, and that classes be admitted and graduated once a year instead of twice as the custom then was. I gave then my reasons for recommending the changes.

The recommendations met with the approval of the Training School Committee, and, upon its endorsement, were adopted by the full Board. The regulations governing the school organization were also changed in several particulars to meet the new conditions, and the sections as amended now read as follows :

## Chap. XIII, Sec. 1, amended Oct. 7, 1895 :

The corps of teachers shall consist of a principal, a vice-principal, not less than four regular assistants, and not more than thirty pupil-teachers. The pupil-teachers shall be divided as nearly as possible into two classes of fifteen members each. No entering class shall consist of more than fifteen pupil-teachers. If the number of candidates who pass any examination shall exceed fifteen, the fifteen candidates only who rank highest in the examination shall be admitted ; but the remainder, if any, shall have precedence in forming the next class over those who are successful candidates in a later examination. The length of the course shall be two school years.

## Chap. XIII, Sec. 3, amended Oct. 7, 1895 :

The two classes shall be known as the Senior and Junior. The Senior class shall be composed of those pupil-teachers who have already served one year in the school, and have been regularly promoted, and of those of have served two years and have failed of promotion ; the Junior class, of those who have served no time in the school before admission to the class, and of those who have served one year and have failed of promotion.



Chap. XIII, Sec. 4, amended Oct. 7, 1895 :

The pay of the pupil-teachers shall be as follows : Senior class at the rate of \$4 per week for actual service ; the members of the Junior class shall serve without pay ; but when any pupil-teacher shall be assigned for substitute duty she shall receive regular substitute pay for the grade of school in which she substitutes. When a pupil-teacher, is acting as substitute, her pay as a member of the training class shall cease.

Chap. XIII, Sec. 7, amended Oct. 7, 1895 :

All substitutes in the regular schools shall be taken, when practicable, first, from the unassigned graduates of the school ; second, from the Senior class. Requisitions for undergraduate substitutes shall be made upon the Superintendent of Schools by the principal or committee needing such substitutes.

Chap. XIII, Sec. 11, amended Oct. 7, 1895 :

Examination of candidates for admission to the Training School shall be held in December of each year by the Committee on Examination of Teachers, public notice of which shall be given at least two weeks before the examination. (See Sec. 2.) No candidate shall be permitted to enter the Training School after the first week of the term, except by special vote of the Training School Committee.

The principal changes are these : The limit of the number of pupil-teachers who may form each class is raised from nine to fifteen ; the course heretofore one and a half years long is made two years long ; there are two classes where formerly there were three, and admissions and graduations are to occur but once a year instead of semi-annually as before ; pupil-teachers are paid no salary the first year, but are paid four dollars a week for the senior year.

These are the principal changes ; the change in regard to salary makes a pupil-teacher serve a half-year longer

without pay than before, but pays her a dollar a week more than before for the first half-year of the senior-year. I am confident that lengthening the course to two years will give strength to the course, and relieve the pressure which heretofore came upon the principals in the normal work.

At times one hears the criticism that too much preparation is required of teachers by the School Board and sometimes a pupil-teacher or her friends feel that she has to work harder than she should. To the first criticism I would reply that it must be made in ignorance of what the duties of a teacher are and of the training necessary for one to perform them with justice to the children who are to be taught and trained by her. There is but one way to have good teachers and good teachers are those who bring to their work not only the right spirit but the right preparation. To the second criticism I would say that a pupil-teacher who comes to the school equipped physically and mentally as she should be will not find the work too taxing unless she is attempting too much in some direction outside the school. Too many candidates come to the school with weak constitutions and weak in their mental training and acquirements. Especially is it true of their physical condition. I am quite sure a physical examination should be required of candidates as well as the mental one now given. Too many of our new recruits to the teaching corps of to-day are physically unfit to undertake the duties of a teacher.

Again I am sure that the young ladies of the city who attend the Training school should be grateful to the city for providing it for them. Trained teachers are demanded now by an enlightened public opinion, and no progressive city or town will employ untrained teachers, if it can be helped. Now our city comes forward and offers a good training to those who wish to be teachers, and pays them

for half the time they are getting it. It is true that it is done largely for self-protection, but not wholly. The salaries paid here and the advantages offered in the city will command either teachers of training or of successful experience from abroad. But, instead of pursuing the policy of going outside for teachers or requiring those young ladies or young men in the city who wish to teach to go to a normal school, the city establishes a Training School, and pays candidates for service while they are attending it. It also gives the graduates from the school preference over all other candidates in appointments to the elementary grades, or even the High school if other requirements have been complied with. So I say that those who attend this school as pupil-teachers have cause to be grateful to the city for providing it, and should not regard it in the light of a hardship to attend it.

The school has labored under some disadvantage during part of the year by reason of the absence of the principal during the last three months of the year on account of illness, and from the demands made upon it for substitutes.

The vice-principal, Miss Braley, has charge of the school during the absence of the principal, who will not resume her duties until fall. A normal teacher will be required to assist the vice-principal during the long absence of the principal, and it would be very much better for the school if a normal teacher should be made a permanent feature of the school; then the principal and vice-principal would have ample time for supervision by being relieved of some of their normal work.

The interests of the children in the school were looked after, notwithstanding the disadvantages under which the school labored, two additional regular teachers, graduates of the school, being assigned there during the fall term. Miss Braley also by extra and incessant labor did double duty for several months with efficiency.

Each year this school adds to the strength of all the schools in the city and justifies its maintenance, and would, even though the cost was much greater than it is. I give below some statistics in regard to the pupil-teachers.

## HARRINGTON TRAINING SCHOOL.

### STATISTICS FOR THE YEAR 1895.

Pupil-teachers enrolled during the year,	32
Pupil-teachers admitted February, 1895,	5
Pupil-teachers admitted September, 1895,	9
Pupil-teachers graduated during the year,	11
Pupil-teachers resigned during the year,	2
Pupil-teachers in senior class, December, 1895,	4
Pupil-teachers in junior class, December, 1895,	5
Pupil-teachers in sub-junior class, December, 1895,	8
Days substituting by pupil-teachers,	189
Days absence for other causes,	161

### GRADUATES.

#### FEBRUARY, 1895.

Sophia Thomas Anthony,	Ruth Emily Howland,
Lucia Ella Bliss,	Laura Clarke McCabe,
Lila Damon Haney,	Sarah Peckham,
Elizabeth Dexter Hicks,	Harriet Augusta Taylor.

#### JUNE, 1895.

Gillian May Gordon,	Charlotte Marie Murkland,
Esther Warren Paul.	

## THE EVENING SCHOOLS.

The enrollment in these schools has been the largest in their history, but the average membership was smaller than for 1894. The enrollment was 2725 divided as follows: 1816 males, 909 females; the average membership was 1069 and the average nightly attendance was 849. So while the per cent. of nightly attendance compared with the average membership was 79.6, the per cent. compared with the enrollment was but 31.

The difference between the enrollment and the average attendance is not so great as actually appears, as figures of attendance as usually compiled, embrace parts of two school years. It is, however, larger than it should be. There is the greatest difference between the enrollment and attendance in the Parker street school, and next in order comes the Merrimac street. These schools fail to hold their pupils as well as the others, but I do not recognize clearly the cause. One reason I think is that they have a larger proportion of those who are not illiterates who enter them. Illiterates are compelled by law to attend evening schools, others are not; and the latter as a rule do not attend regularly and many drop out after a short attendance.

To make the evening schools more attractive to others than illiterates, they must supply better the practical needs of those who desire to improve their condition, and have not time during the day for that purpose. An evening drawing school is maintained and has been for many years, and at an expense per pupil, considering the hours given, as great as the High school. Why should money be spent freely in this line and not in others? Why not manual training evening schools where the drawings may be worked out in metal and wood? Why not evening cooking schools? They surely are needed. Why not evening schools for stenography and typewriting as well?

### TEACHERS.

There are now connected with the day schools of the city under pay 172 teachers. Of these seven are teachers or supervisors of special subjects, two are special assistants, and nine are pupil-teachers in the Training school who are paid four dollars a week. There are also seven pupil-



teachers who are serving without pay, making a grand total of 179 teachers employed in the day schools. At the close of the fall term 65 teachers were employed in the evening schools most of whom were day school teachers, but making the number of teachers employed by the city in various capacities at the close of the fall term 244.

There were thirteen resignations during the year. Four of which were requested by the Board on account of unsatisfactory service, and the others resigned to accept more lucrative positions elsewhere or for other personal reasons. There was one death in the corps, that of Miss Mary B. White, which is noted elsewhere in this report. There were twenty-one appointments. Seven of these were graduates of the Harrington Training school and fourteen graduates of college or normal schools and teachers of successful experience. Several teachers were absent on leave, in periods varying from a month to a year, chiefly on account of sickness; the average absence of teachers has been more than four a day. All these absences require the employment of substitutes.

It has been no easy task to find suitable teachers for all vacancies occurring and for the new rooms opened. For in a number of instances it has been necessary to fill positions after our, and all the other schools were in operation. Our Training school furnishes many excellent teachers who are well trained for their work, but not enough. Perhaps it is well that we are obliged to seek teachers elsewhere. Teachers coming from out of the city bring in new ideas, other experiences, and give added strength and vitality to any corps, howsoever good it may be, but whose experience lies wholly within their own city. The new appointments as a whole are doing good work.

The strength of a school system must depend chiefly upon its teaching force. If all, or even the great majority



of the teachers in it, are well educated, well trained, of high character and earnest purpose its results will be good, although the methods used are not the most advanced or the appliances perhaps not the latest. I sometimes think that in these days too much emphasis is placed on methods and too little on the personalities of the teachers themselves. Good methods are desirable but it should never be forgotten that the personal influence of the teachers counts for more. It is therefore the duty of teachers to be forceful examples to their pupils. They should be well informed, for every lesson draws upon the richness of their knowledge; their acquaintance with good books should be extensive, that they may influence and direct the reading of their pupils; their manners and even their dress are potent for good or otherwise, for children are sharp critics and easily influenced, and rude manners and untidy habits on the part of teachers have more influence than dissertations on politeness and habits of neatness. And more than all teachers should be persons of manly or womanly character whose daily acts are devoid of everything that would lessen in any degree the respect and regard of their pupils. Is this last too much to expect? It is within the reach of every teacher howsoever humble.

Last year in my report I recommended the placing of satisfactory teachers who had taught three years or more on the permanent list of teachers. I am pleased to be able to say that those of the primary corps who have taught three years have been so placed, and many of those in other departments I trust will soon be. Those who have been so dignified certainly cannot do less than to show by still greater earnestness of purpose in their work, their appreciation of the renewed trust placed in them by the Board. I am sure they will.

I subjoin the names of all those who have resigned, been appointed, transferred or absent on leave during the year.

## APPOINTMENTS.

Nelson Freeman,	Principal Parker Street Grammar school.
Evangeline Hathaway,	Principal Thompson Street school.
Clara M. Woodward,	Assistant Cedar Grove Street Grammar school.
Anna J. Billings,	Assistant Cedar Grove Street Grammar school.
Alice J. Lawrence,	Assistant Thompson Street school.
Elizabeth D. Hicks,	Harrington Training school.
Harriet A. Taylor,	Harrington Training school.
Esther Paul,	Linden Street Primary school.
Julia A. Ellis,	Thomas A. Greene Primary school.
Ella M. Robinson,	Merrimac Street Primary school.
Anna H. Doolittle,	Merrimac Street Primary school.
Lida J. Brightman,	Thomas A. Greene, Primary school.
Ruth E. Howland,	Thomas A. Greene Primary school.
Lila D. Haney,	Thomas A. Greene Primary school.
Laura C. McCabe,	Cedar Grove Street Primary school.
Alice Winchester,	Cedar Grove Street Primary school.
Fannie M. Clark,	Cedar Grove Street Primary school.
Louisa M. Newhall,	Cedar Grove Street Primary school.
Minnie C. Ritter,	Cedar Grove Street Primary school.
Gillian M. Gordon,	Cedar Grove Street Primary school.
S. Agnes Donham,	Cooking school.

## RESIGNATIONS.

Francis J. Heavens,	Principal Parker Street Grammar school.
Katharine N. Lapham,	Principal Thompson Street Grammar school.
Helen Ring,	Assistant Middle Street Grammar school.
Emma A. Gilman,	Assistant Middle Street Grammar school.
Sarah H. Hewins,	Principal Merrimac Street Primary school.
Lena B. Hamblin,	Assistant Thompson Street school.
Grace Covell,	Thomas A. Greene Primary school.
Mary J. Eldridge,	Cedar Grove Street Primary school.
Flora E. Estes,	Cedar Grove Street Primary school.
Elizabeth S. Foster,	Cedar Grove Street Primary school.
Florence A. Chaffin,	Cedar Grove Street Primary school.
Grace Greenwood,	Cooking Teacher.
Anna J. Billings,	Thompson Street Grammar school.

## ABSENT ON LEAVE.

Mary E. Sturtevant,	Parker Street Grammar school.
Mary E. Austin,	High school.
Susan M. Tompkins,	I. W. Benjamin Primary school.
Sara H. Kelley,	Dartmouth Street Primary school.
Josephine B. Stuart,	Harrington Training school.
Anna L. Jennings,	Parker Street Grammar school.
Lucy B. Fish,	Middle Street Grammar school.

## TRANSFERS.

Lizzie E. Omev,	from Cedar Grove Street to Middle St.
Willettta B. Nickerson,	from Cedar Street to Middle Street.
Daisy M. Butts,	from Thompson Street to Parker Street.
Lucia E. Bliss,	from Parker Street to Thompson Street.
Lucia E. Bliss,	from Thompson Street to Linden Street.
Anna J. Billings,	from Cedar Grove Street to Thompson St.
Elizabeth Bennett,	from Acushnet Avenue to Maxfield St.
Ruth M. Tripp,	from Cedar Grove Street to Cedar Street.
Sarah E. Kirwin,	from I. W. Benjamin to Acushnet Ave.

## TEMPORARY ASSISTANTS.

Annie L. Burbank,	Alice P. Terry,
Sara L. Tallman,	Mary G. Fuller,
Clara B. Watson,	Ethel S. Parker,
Carrie A. Shaw,	Charlotte M. Murkland.

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IN MEMORIAM.

On November 7th, Miss Mary B. White, a teacher in the schools of New Bedford for forty-two years, forty-one of which she had been Principal of the Maxfield Street school, died after a brief illness of one week. On November 1st she was in her school.

I have never known a teacher who was more devoted to her work than Miss White. Her school was always her first thought, and there was no sacrifice she was not willing to make to promote its best interests. She died, I think as she would have chosen to die, with her hand on the plough. It may well be said of her "Well done good and faithful servant."

The following resolutions were passed by the School Board upon the death of Miss White :

*Resolved*, That by the death of Miss Mary B. White, Principal of the Maxfield Street Primary school, this Board has been deprived of the services of a teacher remarkable for her ability as an instructor and for her conscientious fidelity to duty.

*Resolved*, That by her long life devoted to the pupils of the schools of this city, she set them an example of noble service which is the best instruction that could have been given them.

*Resolved*, That the sympathy of this Board is extended to the relatives of the deceased in their affliction.

*Resolved*, That these resolutions be spread upon the records of this Board, and copies be sent to the relatives of the deceased.

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## THE SYLVIA ANN HOWLAND FUND.

A large portion of the income of this fund is expended each year in the purchase of music books and musical instruments, and for their care. Reading and reference books take another large portion. The remainder is expended for apparatus, primary supplies of various kinds and periodicals for both pupils' and teachers' use.

There is no question but the schools of New Bedford have been, and would continue to be greatly benefited by the income from this fund if the present method of expending it should be continued. But conditions in relation to public schools have changed greatly since this fund first came into possession of the School Department, as well as public ideas concerning them. The school population has also trebled in size and changed much in its character, but the income is expended in about the same lines as at first.

Would it not be well to restrict the expenditure of this fund to three lines, possibly four? First, to establish and maintain in every schoolhouse libraries of reading and reference; second, to adorn every schoolroom with works of art in the lines laid out by the "School Art League," which is doing this for the schools in and about Boston; third, for the purchase and care of such musical instruments as would be really useful as an educative force in the schools. If this course was pursued for ten years I believe the schools of New Bedford would be greatly elevated. By having libraries of well selected books in every schoolhouse the pupils would naturally read the books in them under the proper encouragement of the teachers, and their taste for good literature fixed for life; brought into contact each day for years with harmonious surroundings and works of art an appreciation of the beautiful and refined would be created within them, and the foundation laid for future culture.



I cannot but feel that the income of this fund, although well used, is not used in the most effective way, and again I ask the Committee on the fund to give the suggestions its consideration.

### CRITICISMS OF THE SCHOOLS.

The public schools everywhere are the subject of much criticism in these days. I do not suppose, however, that they have ever been free from it,—certainly not in my day and generation. I presume also, that they have deserved some of the criticism that has been bestowed upon them, and will continue to do so. Candid and just criticism is good for them, and should be welcomed by all intrusted with their administration whether School Boards or teachers. Such criticisms awaken thought and produce reforms if needed; but critics should bear in mind that it is easy to criticise and hard to create, and temper their criticisms with due recognition of the good that exists and have patience with slow-moving reforms.

One criticism that is often made is that the schools are lumbered with fads. This is an easy thing to say, but is it true? Some of these critics consider drawing a fad; others music, or manual training, or Latin, or almost anything which does not meet their views as to what shall be taught. Now few, if any subjects taught in the schools have been placed in the curriculum because they are the hobbies or whims of a few people, but from the earnest conviction on the part of many—even if mistaken convictions—that they are necessary to the proper development and training of the pupils who attend these schools. We live in days of rapid evolution, and there is more or less experimenting to meet new conditions. The schools may not be free from experiments but it is only by experience that some things can be settled and therefore experimenting



must be endured. But many of the changes that have been made in the curriculum of the schools are the results of an awakening in matters of education caused by a better knowledge of the laws of mental development, and from giving the child the recognition he should long ago have had. The revolution against the methods which held sway so long in matters of education was too long delayed, and it is the wonder of the thoughtful men and women of to-day how the old methods were permitted to dominate education so long.

Another criticism to which the schools are subject is that they are attempting to teach too many things. Surely the examination of the curriculum of studies in the schools of any of our cities would convince one that there is good foundation for this charge. How did this come about? And what is the remedy? The answer to the first question is not so difficult. To state it in general terms it is the attempt on the part of the schools to satisfy the different classes of persons who look at education from a different standpoint. As Prof. Putnam says, in his manual of Pedagogics, in speaking of education, "The philosopher looks at one aspect, the practical man looks at another aspect. The statesman takes one view and has regard to one end; the teacher of morals and religion takes a different view and has a different end. These aspects are not necessarily contradictory, but each man is naturally disposed to think his own view of more importance than any other, and occasionally some over-zealous partizan insists that his own peculiar view is the only rational and reasonable one."

Therefore the schools are attempting much, and under the present organization of most schools too much. But woe to the Superintendent and teacher who objects to the introduction of almost any branch of instruction proposed by any considerable class of persons; they are considered unprogressive and their positions endangered.

But the end is not yet reached, so far as the expansion of courses is concerned, and the proposed enrichment of the grammar school courses means other additions. Several cities in Massachusetts and elsewhere have already introduced the study of French, Latin and algebra in the lower schools. These, in the public schools at least, have hitherto been regarded as High school studies. In private schools where the ratio of teachers to the number of pupils is three or four times that of the public schools these studies have been taught at a much earlier age than in the public schools; but the greater number of teachers in the private schools permits more elective courses, and more elasticity is possible in them than in the public schools with the present organization of the latter.

And this brings me to the question of the remedy for the overcrowded courses. Either some studies must be kept out of the schools or there must be a readjustment of studies in them. Already several methods have been proposed: one is that of *concentration*; another is that of *correlation* or *coördination*.

Those who believe in the doctrine of *concentration* claim that all studies may be grouped into two classes; first, real, or thought studies; and second, formal studies which give form and expression to the ideas and truths found in the real studies. Reading, language, grammar, writing, drawing and all other branches used in the expression of thought in any form they call formal studies. They would select some real study, such as geography, as the centre of all instruction, and subordinate the formal studies completely to this. They believe that where a truth is discovered it will seek some form of expression, and therefore the child will spontaneously learn to talk, read and write. The study of pupils by this doctrine would be confined to the few real studies, and the formal studies would occupy no special time on the program.

Those who believe in the doctrine of *coördination* would arrange the various studies along two or three quite distinct lines, keeping each line in close touch with the others. One line of studies may be classed as humanistic and will include history, literature, and the like. The scientific subjects will constitute another line, and the mathematical another. The formal studies will be united with the others and not form a distinct group. In this way, it is claimed, all the objects of education will be attained.

The principle of *coördination* finds the more followers because it is the more practical and better adapted to large classes. It is already applied in a measure in the instruction in our schools, and will be more, as it becomes better understood by the teachers.

But I do not believe either the principle of concentration or *coördination*, if applied to the schools, will be a complete remedy for the overcrowded courses if every pupil is forced to take every study in the elementary schools. Elective courses are now provided in High schools. These will be extended into the lower schools. And it will be the right policy, for it will be an attempt to give each child the greatest possible opportunity by specializing his work at a still earlier age than in the High school. Already in those cities where the grammar course has been enriched, (as it is termed) some or all of the new studies have been made elective and special teachers employed to teach them. This policy of course means increased expenditure.

And this suggests another criticism that is made quite frequently that the schools are costing too much now.

Costing too much? How can the money of a municipality be better expended than in providing good school-houses, good teachers, and good appliances for work for its children? What money raised by taxation in its expenditure comes nearer the home and the vital interests of her citizens? Or in what other way shall her ignorant

native born as well as foreign born be so well prepared for citizenship? There is scarcely a city or town in this State or in any other of our states that will not spend more per pupil on its schools in twenty years, or even in less time, than it is doing now, and do it too by the free will of the people. Kindergartens will soon form a part of every good school system; elective courses will be provided and there will be further extension both in the practical branches and in those that relate more closely to the finer products of the mind.

There are other sins of omission or commission with which the schools are charged: for some they may be responsible and for others not. But certainly the schools ought not to be expected to do for the children what it is the duty of the home to do. Unfortunately there is a growing tendency to relegate to the school and the church too much of the moral and religious training of children and criticise them because they do not do it better. They should supplement the work of the home and not supplant it. It is true that about all the training some children get is obtained in the schools; but it should be possible to say this only of children of ignorant and debased parents; worthy parents should give no cause for it.

Respectfully submitted,

WILLIAM E. HATCH,

Superintendent of Schools.

# LIST OF TEACHERS.

## HIGH SCHOOL.

Summer street, between Mill and North streets.

Charles S. Moore, principal,	25 Seventh street,	\$2750
Chas. T. Bonney, Jr., sub-master,	121 Washington street,	1600
Charles R. Allen, science teacher,	absent for year.	
Warren R. Smith, tem. science teacher,	175 William street,	1500
Sarah D. Ottiwell,, assistant,	184 Kempton street,	900
Elizabeth P. Briggs,	366 Union street,	900
Lydia J. Cranston,	129 Elm street,	900
Lucretia N. Smith,	72 Foster street,	900
Mabel W. Cleveland,	81 North street,	900
Mary E. Austin,	512 Kempton street,	900
Helen L. Hadley,	196 Grinnell street,	900
Emma K. Shaw,	72 High street,	900
Edmand E. Baudoin, military inst'tor,	303 County street,	300

## GRAMMAR SCHOOLS.

### FIFTH STREET:

Fifth street, corner of Russell street.

Grade.

	Allen F. Wood, principal,	111 Acushnet avenue,	\$1900
9	Lydia A. Macreading, assistant,	17 Bonney street,	675
9	Emma B. McCullough,	300 Purchase street,	675
8	Mary E. Allen,	25 Madison street,	600
8	Sarah E. Stoddard,	352 County street,	600
7	Emma A. McAfee,	63 Fifth street,	600
7	Mary W. Leymunion,	55 Hill street,	600
6	Annie C. Hart,	54 Fourth street,	600
6	Mary A. Kane,	127 Grinnell street,	600
5	Grace L. Carver,	147 Acushnet avenue,	600
5	Lottie M. Allen,	118 Fifth street,	500



## MIDDLE STREET :

Summer street, between Elm and Middle streets.

Grade.

	George H. Tripp, principal,	Fairhaven,	\$1900
9	Lucy B. Fish, assistant,	215 Maxfield street,	675
9	Lucy F. Winchester, "	Fairhaven,	675
8	Katharine Commerford, "	Ashland street,	600
8	Etta M. Abbott, "	233 Middle street,	600
7	Lizzie E. Omey, "	63 Thomas street,	600
7	Julia C. Gifford, "	18 Bedford street,	550
6	Helen McCoy, "	3 North Ash street,	600
6	Willetta B. Nickerson, "	3 North Ash street,	550
5	Clara S. Vincent, "	233 Middle street,	600
5	Agnes J. Dunlap, "	117 Hillman street,	600

## PARKER STREET :

Parker street, near County.

	Nelson Freeman, principal,	87 State street,	\$1900
9	Anna L. Jennings, assistant,	215 Maxfield street,	675
9	Julia F. Coombs, "	134 Chestnut street,	675
8	Susan H. Lane, "	64 Willis street,	600
8	Emma D. Larrabee, "	14 Parker street,	600
7	Angenette Chase, "	35 Dartmouth street,	600
7	Regina M. Paul, "	29 Parker street,	600
6	Martha A. Hemenway, "	17 Lincoln street,	600
6	May L. Petty, "	22 Pope street,	600
6	Elizabeth B. Brightman, "	14 Parker street,	600
5	Mariana N. Richmond, "	34 High street,	600
5	Emily A. Delano, "	East Freetown,	600
5	Daisy M. Butts, "	116 Willis street,	600

## GRAMMAR AND PRIMARY.

## THOMPSON STREET :

Thompson street, corner of Crapo.

7	Evangeline Hathaway, principal,	23 Seventh street,	\$1200
6	Cora B. Cleveland, assistant,	81 North street,	600
6 & 5	Elizabeth M. Briggs, "	351 County street,	500
5	Mary A. Macy, "	72 Bedford street,	600
5	Ethel S. Parker, "	1 Lincoln street,	450
2	Angela F. Bowie, "	111 Dartmouth street,	450
1	Annie L. Brownell, "	15 Sherman street,	550
1	Alice J. Lawrence, "	35 Eighth street,	550



## CLARK STREET SCHOOL:

Located in rented rooms at present.

## Grade.

5	Alice A. Richardson,	65 William street,	\$500
6	Clara M. Woodward,	21 Lincoln street,	600

## HARRINGTON TRAINING SCHOOL:

Court street, corner of Tremont street.

Josephine B. Stuart, principal,	464 County street,	\$1500
Anna W. Braley, vice-principal,	619 County street,	1200
Belle Almy, assistant,	201 Cottage street,	550
Fannie M. Spooner, "	70 Morgan street,	500
Kate Moore, "	105 Park street,	500
Grace W. Russell, "	152 Purchase street,	450
Lizzie E. Hicks, "	98 Hillman street,	450

## PRIMARY SCHOOLS.

## ACUSHNET AVENUE:

Acushnet avenue, near Grinnell street.

Jane C. Thompson, principal,	25 Madison street,	\$750
4 Sarah E. Kirwin, assistant,	101 South Sixth street,	550
4 Hattie L. Finlan, "	186 County street,	550
3 Nellie A. Walker, "	20 Seventh street,	550
3 Lida J. Brightman, "	111 Acushnet avenue,	550
2 Caroline S. Silva, "	81 Washington street,	550
2 Caroline O. Pierce, "	1 Spruce street,	550
2 & 1 Julia M. Pilling, "	24 Seventh street,	500
1 Margaret H. Holmes, "	661 County street,	550
1 Harriet L. Cornell, "	151 Middle street,	500
1 Sarah A. Winslow, "	315 County street,	550

## I. W. BENJAMIN SCHOOL:

Division street, between Acushnet avenue and Second street.

Jane E. Gilmore, principal,	245 Acushnet avenue,	\$800
4 Susan M. Tompkins, assistant,	399 Union street,	550
4 Nellie W. Davis, "	115 Summer street,	550
3 Dora A. DeWolf, "	169 Middle street,	500
3 Marion H. Swasey, "	Cor. County and Forest sts.,	450
3 Lila D. Haney, "	74 Mill street,	425
2 Alice A. Taylor, "	299 County street,	550
2 Sophia T. Anthony, "	182 Fourth street,	425
2 Eleanor V. Tripp, "	12 Sherman street,	550
1 Annie C. O'Connor, "	299 County street,	550
1 Mabel Bennett, "	79 Chestnut street,	550
1 Julia A. Hunt, "	108 Court street,	450
1 Emma L. Gartland, "	51 Washington street,	500

## CEDAR STREET:

Cedar street, corner of Maxfield street.

Grade.

4	Annie S. Homer, principal,	117 Hillman street,	\$650
3	Bessie P. Pierce, assistant,	130 Summer street,	550
2	Abby D. Whitney, "	59 Hill street,	550
2	Annie L. Edwards, "	62 North street,	550
1	Mabel L. Hathaway, "	278 Mill street,	550
1	Ruth M. Tripp, "	399 Union street,	450

## CEDAR GROVE STREET:

Cedar Grove street, near Acushnet avenue.

	Maria B. Clark, principal,	131 Chestnut street,	\$850
4	Louise M. Newhall, assistant,	42 Foster street,	550
4	Kate Sweet, "	287 Kempton street,	550
4 & 3	Minnie C. Ritter, "	54 Bonney street,	475
3	Isabella F. Winslow, "	506 Purchase street,	550
3	Julia W. Corish, "	86 Mill street,	450
3	Alice P. Winchester, "	155 Main street, Fairhaven,	500
2	Annie G. Brawley, "	68 Walden street,	550
2	Edith K. Weeden, "	614 County street,	550
2	Sarah Peckham, "	106 Fourth street,	425
1	Gillian M. Gordon, "	38 Fifth street,	400
1	Fannie M. Clarke, "	180 Middle street,	400
1	Ruth E. Pease, "	658 County street,	500
1	A. Gertrude Wheaton, "	345 Cottage street,	500
1	Harriet A. Taylor, "	114 Willis street,	425
1	Laura C. McCabe, "	153 Grinnell street,	425

## CANNONVILLE:

Rockdale avenue.

4 & 3	Adelaide J. McFarlin, principal,	Cottage and Kempton sts.,	\$550
2 & 1	Florence A. Poole, assistant,	168 Mill street,	450

## DARTMOUTH STREET:

Dartmouth street, corner Hickory street.

4	Isadore F. Eldridge, principal,	44 Sherman street,	\$725
4	M. Eva Schwall, assistant,	11 Bonney street,	550
3	Edith M. B. Taber, "	82 Walden street,	550
3	Sarah E. Slade, "	37 Allen street,	425
2	Nellie H. Cook, "	Masonic Building,	550
2 & 1	Mary C. Barstow, "	337 South Orchard street,	550
1	Annie F. Smith, "	18 Bonney street,	550
1	Grace H. Potter, "	100 Madison street,	550
1	Carrie W. Bliss, "	38 Russell street,	400

## THOMAS A. GREENE:

Fourth street, corner of Madison street.

Grade.

4	Sarah H. Cranston, principal,	129 Elm street,	\$675
3	Caroline E. Bonney, assistant,	52 Bonney street,	500
3	Eliza H. Sanford,	" 112 Fourth street,	550
2	Sarah E. Sears,	" 350 County street,	550
1	Lillie C. Tillinghast,	" 1 Lincoln street,	550
1	Annie L. Macreading,	" 17 Bonney street,	550
1	Ruth E. Howland,	" Bonney street,	425

## SYLVIA ANN HOWLAND:

Pleasant street, between High and Kempton streets.

4	Carrie E. Footman, principal,	72 State street,	\$600
3	Mary J. Graham, assistant,	12 Court street,	550
2	Helen J. Kirk,	" 27 Franklin street,	550
1	Amelia Lincoln,	" 87 Walden street,	550

## LINDEN STREET:

Linden street, near Ashland street.

4	Elizabeth P. Spooner, principal,	129 Hillman street,	\$650
3	Isabella Luscomb, assistant,	245 Cedar street,	550
2	Carrie L. Chapman,	" Main street, Fairhaven,	550
2 & 1	Lucia E. Bliss,	" 44 Chestnut street,	425
Adv. 1 & 1	Lucy S. Leach,	" 163 Maxfield street,	550
1	Esther W. Paul,	" 29 Parker street,	400

## MERRIMAC STREET:

Merrimac street, corner of State street.

1	Harriet S. Damon, principal,	223 Pleasant street,	\$650
1 & 2	Anna H. Doolittle, assistant,	271 Pleasant street,	550
3	Anna I. Dexter,	" 11 Franklin street,	550
3	Addie West,	" 232 Pleasant street,	550
3 & 4	Ella M. Robinson,	" 271 Pleasant street,	550
4	Julia A. Ellis,	" 34 Hillman street,	550

## MAXFIELD STREET:

Maxfield street, corner of Pleasant street.

1	Elizabeth Bennett, principal,	46 State street,	\$600
2	Annie E. Pearce, assistant,	151 Hillman street,	550
3	Clara C. M. Gage,	" 78 Mill street,	550
4	Mary E. Pasho,	" 169 Grinnell street,	550

## COUNTRY SCHOOLS.

## ACUSHNET :

Charlotte C. Carr, principal,	56 Spring street,	\$700
Belle B. Wheeler, assistant,	2 Mt. Vernon street,	600
Harriet N. Hyatt, " "	Tarkiln Hill road,	500

## CLARK'S POINT :

Mary E. McAuliffe, principal,	380 Purchase street,	\$550
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## NORTH SCHOOL :

Mary I. Ashley, principal,	Clifford,	\$600
Mary G. Fuller, assistant,	Clifford,	400

## ROCKDALE :

Lillian T. Thomas, principal,	661 County street,	\$550
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## MILL SCHOOLS.

## NORTH :

In Hacienda building, Acushnet avenue.

Emma R. Wentworth, principal,	117 Hillman street,	\$682
Mary L. Hillman, assistant,	81 Mill street,	450

## SOUTH :

In Thompson street school building.

Lucy J. Remington, principal,	67 Fifth street,	\$682
Ruby M. Tripp, assistant,	407 Cedar street,	450

## SPECIAL TEACHERS.

## DRAWING :

Mary W. Gilbert, supervisor,	20 Seventh street,	\$1300
Catherine M. Crabtree, assistant and teacher of drawing in High school,	26 Seventh street,	800

## SINGING :

F. H. Butterfield,	93 Willis street,	\$1900
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## COOKING :

S. Agnes Donham,	226 Kempton street,	\$600
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## MANUAL TRAINING :

Edwin R. King,	271 Pleasant street,	\$1200
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## SEWING :

Carrie H. Richmond, principal,	43 Fifth street,	\$600
Eliza A. Smalley, assistant,	71 South Sixth street,	420
Gertrude H. Leonard, “	23 Seventh street,	525

## EVENING DRAWING SCHOOL.

In High school building.

George H. Nye, principal,	323 Cottage street,	\$9.00 per week.
Katharine M. Crabtree, assistant,	26 Seventh street,	6.00 per week.
Oliver H. Gardner, “	197 Chestnut street,	6.00 per week.
Norman M. Paul, “	Fairhaven,	5.00 per week.

## EVENING ELEMENTARY SCHOOLS.

## FIFTH STREET :

In the Fifth Street School Building,

George H. Tripp, principal,	Fairhaven,	\$7.00 per week.
Nellie H. Cook, assistant,		3.00 “
Julia C. Gifford, “		3.00 “
Lizzie M. Briggs, “		3.00 “
Lillie C. Tillinghast, “		3.00 “
Catharine T. Johnson, “		3.00 “
Ida A. McAfee, “		3.00 “
Mary J. Graham, “		3.00 “
Ruth E. Howland, “		3.00 “
Marion H. Swasey, “		3.00 “
Sarah E. Stoddard, “		3.00 “
Kate Moore, “		3.00 “
Mary E. Allen, “		3.00 “
Sarah Peckham, “		3.00 “
Grace L. Carver, “		3.00 “
Eudora Lawrence, “		3.00 “

## PARKER STREET :

Emma R. Wentworth, principal,		6.00 “
Mary F. Wilde, assistant,		3.00 “
Emma D. Larrabee, “		3.00 “
Regina M. Paul, “		3.00 “
Esther W. Paul, “		3.00 “
Julia W. Corish, “		3.00 “
Sara L. Tallman, “		3.00 “

## CEDAR GROVE STREET :

Nelson Freeman, principal,	7.00	"
Helen McCoy, assistant,	3.00	"
Annie G. Brawley, "	3.00	"
Nannie P. Slocum, "	3.00	"
Lillie McAfee, "	3.00	"
Mary R. Hinckley, "	3.00	"
Jennie Gardner, "	3.00	"
Abby R. Johnson, "	3.00	"
A. Gertrude Wheaton, "	3.00	"
Isabella F. Winslow, "	3.00	"
Susan E. R. Butts, "	3.00	"
Sarah E. Slade, "	3.00	"
Laura C. McCabe, "	3.00	"
Grace B. Ashley, "	3.00	"
Ruth M. Tripp, "	3.00	"

## MERRIMAC STREET :

Mary A. Kane, principal,	6.00	"
Harriet L. Cornell, assistant,	3.00	"
Florence A. Poole, "	3.00	"
Ruth E. Pease, "	3.00	"
Sarah E. Kirwin, "	3.00	"
Margaret H. Holmes, "	3.00	"
Dora A. DeWolf, "	3.00	"

## THOMPSON STREET :

Joseph P. Kennedy, principal,	7.00	"
Janet Hunter, assisstant,	3.00	"
Kate K. Whelden, "	3.00	"
Belle Almy, "	3.00	"
Emma L. Gartland, "	3.00	"
Annie F. Smith, "	3.00	"
Annie L. Brownell, "	3.00	"
Clara M. Woodward, "	3.00	"
Eloise A. Hafford, "	3.00	"
Mary L. Rogers, "	3.00	"
Mary V. Perry, "	3.00	"
Cecilia Deane, "	3.00	"
Caroline E. Bonney, "	3.00	"





1896—CITY DOCUMENT No. 7.

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SEVENTEENTH ANNUAL REPORT

OF THE

BOARD OF HEALTH,

City and Quarantine Physician

OF THE

CITY OF NEW BEDFORD,

TO THE

CITY COUNCIL,

FOR THE YEAR 1895.

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NEW BEDFORD:  
MERCURY PUBLISHING COMPANY, CITY PRINTERS.  
1896.



# REPORT.

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OFFICE OF BOARD OF HEALTH,

January 1, 1896.

*To His Honor the Mayor, and Gentlemen of the City  
Council of the City of New Bedford.*

GENTLEMEN :—The Board of Health herewith respectfully submit their seventeenth annual Report.

January 2, 1895. On recommendation of the Board of Examiners, licenses were granted to six (6) journeyman plumbers.

January 11, 1895. Voted to employ Dr. C. A. Pratt as agent to the Board to investigate all cases of contagious diseases.

Nathaniel Hathaway was appointed a member of the Board of Health for the term of two (2) years, to end on the first day of February, 1897, and until his successor is appointed.

January 14, 1895. Voted to grant a license to Henry T. Ashley to carry on the business of slaughtering cattle.

February 13, 1895. The Board organized this day as follows :—

Nathaniel Hathaway, Chairman.

William N. Swift, Physician to the Board and Quarantine Physician.

William G. Kirschbaum.

William E. Macomber, Health Inspector.

Louis H. Richardson, Inspector of Plumbing.

Susie J. Small, Clerk.

The last two named hold the office under the civil service rules.

On recommendation of Board of Examiners, licenses were granted to six (6) journeyman plumbers and four (4) master plumbers, they having passed the examination successfully.

February 26, 1895. Voted that the reading of the records be dispensed with.

On recommendation of the Board of Examiners, granted a license to a journeyman plumber.

March 1, 1895. Voted to vacate premises No. 40 Russell street, it being unfit for occupation as a dwelling place.

March 14, 1895. On recommendation of the Board of Examiners, licenses were granted to one (1) master plumber and three (3) journeyman plumbers.

Voted that when a case of contagious disease is reported that the agent of Board ascertain at what Sunday school the person attends, and to notify the pastor of said Sunday school to ask the children in said family where the contagion exists to remain away until all danger is passed.

April 1, 1895. On recommendation of the Board of Examiners, licenses were granted to three (3) master plumbers.

April 2, 1895. Dr. Ashley reported a case of tuberculosis in a cow belonging to one Payan, Ashland street. Said cow quarantined.

April 8, 1895. Dr. Ashley reported that the cow belonging to Mr. Payan had stood the tuberculin test and had been released from quarantine.

April 10, 1895. Voted that the keeping of swine on the premises south side of Shepherd's lane be prohibited.

April 11, 1895. Voted to vacate premises south side of Shepherd's lane, it being unfit for occupancy.

April 15, 1895. Voted that the plumbing rules be adopted.

Plumbing Regulations of the Board of Health of the city of New Bedford, 1895 :—

*Extract from Chap. 455, Acts of 1894, Sec. 8.*

Any person violating any provision of this act, or any ordinance, by-law, rule or regulation made thereunder, shall be deemed guilty of a misdemeanor, and be subject to a fine not exceeding fifty dollars for each and every violation thereof, and if such person has received a license under this act, his license may be revoked by the board or inspector issuing the same; and if such violation was committed in a city or town other than that where he received his license, the Board of Health or Inspector of Buildings having jurisdiction may forbid him to engage in or work at the business of plumbing for a period not exceeding one year in the city or town where the violation was committed.

If any person to whom a certificate has been issued under this act violates any provision thereof, or any ordinance, by-law, rule or regulation made thereunder, either the Board of Health or Inspector of Buildings issuing his certificate, or the Board of Health or Inspector of Buildings having jurisdiction where such violation was committed, may forbid him to engage in or work at the business of plumbing in such city or town for a period not exceeding one year. Any person engaging in or working at the business of plumbing in any city or town where he has been forbidden so to do under this section, shall be deemed guilty of a misdemeanor and be subject to a fine not exceeding one hundred dollars for every such offence.

## PLUMBING REGULATIONS.

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Unless the Board of Health shall permit otherwise, the rules and regulations for the materials, construction, alteration and inspection of all pipes, tanks, faucets, valves and other fixtures by and through which waste water or sewage is used and carried shall be as follows :—



## I.

## MAIN DRAINS.

Every building shall be separately and independently connected with a public or private sewer or cesspool. The main drain from a point eight feet outside of the cellar wall, including the running trap, shall be of extra heavy cast iron pipe, and beyond that point the best quality of vitrified drain pipe, the same to be not less than five inches internal diameter. That portion of the house drain which is inside the walls, or under the building, shall have a fall of at least one-half inch to the foot, and provision shall be made for its protection from breakage or deflection by the settling of the foundation where it passes through the wall. It shall be supported on piers securely fastened to the cellar wall or suspended from the floor timbers with iron hangers. When impracticable to do this in the opinion of the plumbing inspector, it shall be laid in a trench beneath the basement or cellar floor, provided with moveable covers and walled up of such a width as to admit of access to all joints. When connected with a public or private sewer or cesspool, the house drain shall be provided with an extra heavy cast-iron running trap, with an extra heavy brass clean-out, which shall be located beyond all house connections. If the trap be inside the cellar wall, the clean-out shall be on the house side of the trap. The size of the running trap must in all cases be five (5) inches or more internal diameter. When the city drain pipe layer is ready to connect the vitrified pipe with the iron pipe the plumber shall have the iron pipe caulked into the running trap; he shall place the trap in position for the drain layer to make the cement connection. All cast-iron soil pipe shall be laid by the plumber.

## II.

## FRESH AIR INLET.

There shall be provided a fresh air inlet pipe of not less than four inches in diameter, on the house side of the running trap, which must terminate outside of the building, not less than one foot above the ground, and fitted with a wire screen at the open end. Its terminus shall be five feet away from windows, doors, or cold air inlet to furnaces, and the construction of such fresh air inlets must be satisfactory to the Inspector of Plumbing.

## III.

## SOIL PIPES.

All pipes receiving the discharge from water-closets shall be of iron, at least four inches internal diameter, and continued of undiminished

size at least two feet above the roof, away from all windows and left open at the top. A soil pipe receiving the discharge from three or more water-closets shall be not less than five inches internal diameter.

In all cases the main soil or waste pipe from the running trap to a point two feet above the roof shall be four inches or more internal diameter.

#### IV.

##### BRANCHES.

Branch lines of horizontal soil pipe 12 feet or more in length must be continued of undiminished size to the roof, and carried up at least four inches internal diameter through the roof and project at least two feet above it, and left open.

#### V.

##### CONNECTIONS.

All connections with horizontal pipes shall be made with one-eighth bends and Y branches, and all changes in the direction of the waste pipe must be made with Y branches and fitted with clean-outs. Bends to be used only where it is impracticable to use Y branches for clean-outs. No trap shall be placed at the foot of a vertical soil pipe.

#### VI.

##### WASTE PIPES.

Waste pipes from sinks, basins, wash tubs, shall be of lead or iron; those of less than two (2) inches internal diameter shall be of lead; those of two (2) inches or over shall be of iron, and where the iron pipe runs horizontally it shall not be less than three (3) inches internal diameter and be provided with a clean-out.

Where it runs vertically it shall be not less than two (2) inches internal diameter.

In every hotel, restaurant, boarding house or public cooking establishment there shall be a grease trap connected with the sink, which, with the location, shall be satisfactory to the Inspector of Plumbing.

#### VII.

##### SINK TRAPS.

All sinks shall have not less than one and one-half ( $1\frac{1}{2}$ ) inch lead traps with one and one-half ( $1\frac{1}{2}$ ) inch lead waste and vent pipes. The following sizes of waste pipes and traps are allowed: Water-closets, 4 inches; urinals,  $1\frac{1}{2}$  inches; slop sinks, 3 inches; sinks,  $1\frac{1}{2}$  inches; wash tubs,  $1\frac{1}{2}$  inches; bath tubs,  $1\frac{1}{2}$  inches; basins,  $1\frac{1}{4}$  inches.

A waste pipe connecting two or more fixtures, such as sinks, bowls or baths, shall be iron and not less than two inches internal diameter. Bath tubs and wash bowls shall be separately trapped. All trap and vent screws shall be placed satisfactorily to the Inspector of Plumbing.

#### VIII.

##### LEADERS.

Rain water leaders entering a sewer or house drain shall be trapped, and such traps fitted with brass screw clean-outs, the same to be placed on the house side of the trap.

Leaders placed in the inside of a building shall be of cast or galvanized wrought iron pipe of not less than three inches internal diameter, the same to be furnished with three-inch traps, and must not enter the soil pipe above the basement.

#### IX.

##### WEIGHT OF LEAD PIPES.

The size and weight of lead waste and vent pipes shall be as follows :

1½ inches in diameter, 2½ pounds per foot.

1½ inches in diameter, 3½ pounds per foot.

2 inches in diameter, 5 pounds per foot.

4 inches in diameter, 8 pounds per foot.

All lead traps and bends shall be of the same weight per running foot as the lead pipe with which they are connected. Lead pipe used to connect fixtures with vertical soil or waste pipes, or to connect traps with vertical vent pipes, shall not be lighter than defined in the above table.

#### X.

##### WATER-CLOSETS.

All water-closets shall have direct communication with the outer air and shall be supplied with a sure flush tank, to hold not less than five gallons of water.

Long hopper porcelain bowls for water-closets will not be allowed in new work.

When a water-closet is to be placed in a house in which the drain is of cement or vitrified pipe, such drain shall be replaced by iron pipe and vented in the same manner as new work.

Every pipe connecting a water-closet with the soil pipe must be trapped at its connection with the water-closet.

Every waste pipe must be trapped as close to the fixture as practicable, and separately from any water-closet.

No water-closet shall be supplied directly from the house supply pipe, but shall be supplied from a special water tank or cistern used for no other purpose.

## XI.

## VENTILATION PIPES.

Where there are seven or more fixtures connected to a ventilating pipe, said pipe shall not be less than three inches internal diameter; and where three or more water-closets are so connected, said pipe shall not be less than three inches internal diameter.

Vent pipes must have a continuous pitch to avoid collecting water by condensation.

No bowing of vent pipes shall be allowed. Vents from traps to water-closets, bowls or other fixtures, shall be carried to a level with the tops of all fixtures, and a trap screw of the same diameter as the vent must be wiped into it, and not more than six inches above the connection with the trap or lead bend.

Horizontal vent pipes from water-closet traps shall be not less than two inches internal diameter for 30 feet or less, and for more than 30 feet they shall not be less than three inches internal diameter.

Vent pipes shall connect with the ventilating stacks by the shortest route. All vent pipes where they pass through the roof shall not be less than four inches in diameter and extend of the same size to a point two feet or more above the roof, and not adjoining any window or other opening into the building.

All pipes shall be made water tight where they pass through the roof with sheet copper or sheet lead turned into the hub of iron pipe. Joint connections to be run with molten lead only.

Water-closet vents from lead bends shall be placed on top of the bend as far as practicable. If connected on the side of a bend, they shall be placed so as to conform with the flow of water.

## XII.

## CLEAN-OUTS.

Clean-outs shall be placed in horizontal waste pipes close to Y branches, and in such places as the Inspector of Plumbing may designate.

All clean-outs shall be approved by the Inspector of Plumbing. Offsets in horizontal pipes must be made with one-eighth or one-sixteenth bends and piece of pipe.

All connections of lead waste and ventilating pipes shall be made with plumbers' wipe solder joints. No cup or wiped cup joints allowed on the sewer side of the trap.

## XIII.

## SAFE WASTES.

All waste pipes from safes under fixtures shall be run separately to basement or cellar, and left open; in no case shall they be connected with the soil pipe or any other waste pipe.

## XIV.

## REFRIGERATOR WASTES.

No waste pipe from a refrigerator or other receptacle in which food or provisions are stored shall be connected with a drain, soil, or other waste pipe, but shall be separated therefrom by an open sink or tray, trapped.

## XV.

## TANK OVERFLOW.

All overflow pipes from tanks shall be left open and in sight. In no case shall they discharge into a soil or waste pipe.

## XVI.

## VENTILATION OF TRAPS.

All traps shall be supplied with a vent pipe not more than eight inches from the crown of trap.

Vent pipes from water-closet traps shall be at least two inches internal diameter; other vent pipes shall be the same size as the waste pipe from the trap. All ventilation pipes from soil or waste pipes shall extend their whole length of undiminished size, separately or combined together, to the roof and carried up at least four inches internal diameter through the roof and at least two feet above it, and left open, or may be run into a soil pipe above all connections. In no case shall a soil, waste, or ventilating pipe from a soil or waste pipe be connected with a chimney. No brick, earthen ware or sheet metal pipes shall be used for ventilation pipes from a soil or waste pipe.

## XVII.

## CAST-IRON SOIL AND VENT PIPES.

All cast-iron pipes must be free from holes and other defects; of a uniform thickness, and shall have the full weight of the following table for the corresponding diameters:

Internal diameter.

2 inches, 5½ pounds per foot.

3 inches, 9½ pounds per foot.

4 inches, 13 pounds per foot.

5 inches, 17 pounds per foot.

6 inches, 20 pounds per foot.

All fittings used with such pipes shall be of the same diameter, weight and quality. All pipes before being connected shall be thoroughly coated inside and out with coal tar, pitch, or some equivalent substance satisfactory to the Inspector and applied hot by immersion.



## XVIII.

## QUALITY OF JOINTS.

Every joint in earthen pipe shall be made in hydraulic cement. The inside of the joints and of the pipe shall be cleaned out before connection is made with the house. Every joint in lead pipe shall be made with plumber's wipe metal joints.

Every joint of an iron and lead pipe shall be made by an extra heavy brass ferrule of same size as lead pipe, set in the hub of the branch of the iron pipe and caulked with lead; the lead pipe to be attached to the ferrule by a wiped solder joint. Every joint in a cast-iron bell and spigot pipe to be used with a packed oakum and molten lead well caulked at least one and one-half inches deep, and made water and air tight, and no joint shall be painted until tested by the Inspector of Plumbing. Where screw joints are used, they shall be made up in red lead and made steam tight.

## XIX.

## SURFACE DRAINAGE. •

No opening into the house drain or sewer for the purpose of draining the cellar of surface water will be allowed, except by permission of the Board of Health. The following regulations shall be made conditions of every such permit:

A. A trap with a seal of not less than eight inches, made with extra heavy fittings with a back-water valve and clean-out, placed on the house side shall be used. This trap shall enter the main drain on the sewer side of the main house trap.

B. A leader of iron shall enter the trap with all joints connected with the leader inside the cellar leaded and caulked, as provided in the case of iron soil pipe.

## XX.

## FLOOR PLATES.

Floor plates shall be used with earthenware water-closet traps, and the joints shall be secure and gas tight. Brass bolts and a brass flange not less than one-quarter inch in thickness, soldered to lead bend and fitted with a rubber gasket or white lead putty to insure a tight joint, shall be used.



## XXI.

## STEAM EXHAUST.

No steam exhaust, blow-off or drip pipe shall connect with any house drain, soil waste pipe or sewer. Blow-off pipes may discharge into a tank or condenser, from which a suitable outlet to the house drain shall be provided.

## XXII.

## MISCELLANEOUS.

Vent pipes and fittings of wrought iron may be used, provided the same are galvanized.

No galvanized wrought iron vent pipes less than  $1\frac{1}{2}$  inches in diameter shall be used.

Where waste pipes connect with a lead bend the connection must be made by a wiped Y joint, and connection must not be made with the heel of the bend. All T joints are prohibited.

Hereafter siphon water-closets must be vented from the lead bend.

A house drain or private sewer passing under another house, or within eight feet of the cellar wall of another house, shall be of extra heavy cast-iron soil pipe.

Where sink or waste pipes connect with wooden, tin or galvanized iron spouts outside of building, and the same are renewed partially or wholly, then iron or lead pipe must take the place of the old pipes. Sink or waste pipes must be placed inside of buildings.

The use of sanitary T's will only be allowed in vertical pipes.

Double hubs are prohibited in all cast-iron soil or waste pipes.

No saddle hub will be allowed.

No fixture shall be trapped by having its outlet connected with the trap of another fixture.

A three-quarter or full S four-inch trap must be used for brick sinks in cellars where connected with horizontal pipe.

Cast-iron water-closet traps must be porcelain lined.

The waste pipe connecting with a bar shall have at least one trap for every five fixtures; such trap shall be placed within at least one foot of the last fixture and vented to main ventilating trap pipe or through the roof.

SECTION 2. No person shall construct, add to, or alter any portion of the drainage system of any building (except to repair leaks) until he has filed at the office of the Board of Health, upon blanks, in such form as the Board of Health shall furnish a plan of the work to be performed. No person shall commence work on such drainage or plumbing without

a permit from the Board of Health, who will within two days of the filing of such plans approve or reject the same.

After a plan has once been approved no alteration of the same will be allowed except by a permit of the Board of Health.

All plumbing work in new buildings or new work in old buildings shall be tested by the water test or such other method as the Board of Health may direct.

SECTION 3. No person shall cover or conceal any part of the work until after it has been examined and approved by the Board of Health. The plumber shall send notice to the Board of Health when the work is sufficiently advanced for such inspection, and again when the work is completed. The plumber shall test all soil, waste drain and vent pipes in the presence of the Plumbing Inspector, by the water test, or by such other methods as may be approved by the Board of Health, the pressure to be applied as directed by the Inspector, the test to be made as follows: All connections must be made with the exception of the main trap clean-out for the testing plug. Place traps in their proper places, connect all back vent pipes to traps, caulk all ferrules in soil and waste pipes, place all iron hangers and other supports in their position.

None of the pipes shall be covered or used until they have stood the test to the satisfaction of the Inspector.

All defective joints and pipes shall be replaced by sound pipe.

April 29, 1895. Voted to order one thousand (1,000) plumbing books.

*Extract from Report of Board of Examiners.*

Five examinations were held by the Board during the year 1895. Licenses were granted to eight (8) master plumbers and fourteen (14) journeyman plumbers. Four of this number were unsuccessful.

May 7, 1895. Stable licenses granted to V. Plante & Co., and to E. G. Reynolds.

May 10, 1895. Voted to grant a license to Samuel Margolis to carry on the business of slaughtering cattle.

May 11, 1895. Voted to furnish diphtheria antitoxine to physicians and all who desire the remedy at cost price.

May 21, 1895. Voted that the keeping of swine on the premises of David Duval, east side of North Front be prohibited.

May 25, 1895. Voted to grant licenses to Henry T. Ashley and Charles W. Lawton to carry on the business of slaughtering of cattle for one year.

June 10, 1895. Voted to re-elect William Deacon as the third (3) member of Board of Examiners for the term of one (1) year.

July 3, 1895. Voted to grant licenses to New Bedford Tallow Co., and William Hawley to collect soap-grease.

July 8, 1895. Voted to employ S. W. Peckham as special agent to the Board.

July 22, 1895. Voted to vacate premises northwest corner Madison and South Water streets, said premises being unfit for occupation as a dwelling place.

August 20, 1895. Voted to revoke the swine license of McDonnell Brothers.

August 22, 1895. Voted to visit the premises of Stephen McNamara, No. 12 Wall street.

August 30, 1895. Voted to allow premises No. 40 Russell street to be again occupied, all the requirements of the Board having been complied with.

August 31, 1895. Voted to ask the retail fish market men to furnish water tight metallic cans or tubs with tight fitting covers.

September 3, 1895. On recommendation of Board of Examiners granted a license to a master plumber.

Voted: That the following regulation be adopted:—A house drain or private sewer passing within three feet or less of the cellar wall of another house shall be of extra heavy cast-iron soil pipe.

September 25, 1895. Two rooms in Dartmouth Street school, closed because of prevalence of diphtheria in that section.

October 1, 1895. Dr. D. C. Ashley reported a case of tuberculosis in cow in the possession of Joseph Fredette, Kempton street.

December 18, 1895. On recommendation of Board of Examiners licenses were granted to three (3) journeyman plumbers.

Following is the number of permits granted by the Board during the year :

To reinter bodies, 111.

To empty privy vaults and cesspools, 45.

To enter sewers, 332.

Livery and boarding stable licenses, 7.

Number of applications for keeping swine during the year, 61, all were granted.

Number of vaccinations, 144. Number of re-vaccinations, 29. Whole number, 173.

Number of bacteriological tests, 21.

Work accomplished during the year in relation to the plumbing and drainage of buildings :—

Number of permits issued, 627.

New buildings plumbed, 231.

Old buildings plumbed, 337.

Number of inspections, 1,360.

Number of complaints investigated of old buildings and drainage, 94.

All work has been done in strict accordance with the regulations of the Board of Health.

For the past year every case of typhoid fever, diphtheria, and scarlet fever has been investigated, with the idea of keeping a record of each case, and trying to impress upon the public the necessity of greater care in isolation and sanitation.

The school which each child attends is ascertained together with the special room, and if several cases are found originating at about the same time in any one room, then that room is closed and thoroughly disinfected, and re-opened again at the judgment of the Board of Health.

Three times during the past year this has been done, probably stopping, what at first appeared to be the beginning of a serious epidemic of scarlet fever and diphtheria.

The Sunday School attended by the sick child is also inquired into, and the Superintendent of that school notified of the fact of that child's illness, with the advice to stop future attendance of other children in the same family.

Each case of scarlet fever is watched until desquamation has ceased, although no school permits are given until after four weeks has elapsed, even though that process should have apparently ceased earlier. During the year about 550 calls have been made by the Inspector. Each case of scarlet fever generally requires three or more calls before the desquamation ceases, while in diphtheria, two visits are usually sufficient.

In the early fall of 1895, there was considerable diphtheria about but it never reached epidemic proportions and was greatly confined to one locality and one school.

There has been very little typhoid fever and although the milk supply of each case was ascertained, nothing was found out that would make that source suspicious, as nearly every case received milk from a different dairy.

The importance of watching each case of scarlatina and diphtheria has been shown by the practical result during the year.

The action of the School Board in only accepting the certificate from the Board of Health, that a pupil is in a proper condition to attend school, after having had diphtheria or scarlatina has been a great help in controlling the spread of these diseases.

Following is the number of nuisances for the year 1895:—

Filthy and overflowing vaults, 93.

Defective vaults, 43.



- Defective plumbing, 66.
- Defective and clogged drains, 46.
- Filthy premises, 28.
- Filthy barn cellars, 5.
- Filthy ash barrels, 36.
- Filthy water closets, 38.
- Water in cellar, 4.
- Filthy manure pile, 6.
- Hens in cellar, 14.
- Filthy sand catchers, 6.
- Dead animals on beach, 4.
- Unlicensed pigs, 5.
- Emptying vaults without a license, 4.
- Privy vaults ordered removed, 23.
- Pig pen nuisances, 4.
- Fish market nuisances, 4.
- Feeding cows on swill, 2.
- Premises ordered vacated, 2.
- Location of privy vaults, 34.
- Notices served, 91.
- Houses placared for contagious diseases, 165.
- Collecting swill without a license, 5.
- Permits granted for cleaning vaults, (premises visited)
- 45.
- Complaints without cause, 34.
- Inspections, 1949.
- Premises fumigated, 77.
- Manure placed on lots, 2.



At a meeting of the Mayor and Aldermen the sum of fifteen thousand three hundred dollars (\$15,300) was appropriated to defray the expenses of the Board for the year 1895. This amount was increased by a transfer to eighteen thousand three hundred dollars (\$18,300).

This amount was expended as follows :

#### RECEIPTS.

General appropriations,	\$15,300.00
Special appropriation,	3,000.00
	<hr/>
	\$18,300.00

#### EXPENDITURES.

Salaries,	\$2,912.31
Garbage,	12,000.00
Incidentals,	2,003.55
	<hr/>
	\$16,915.86

#### INCIDENTALS.

Louis H. Richardson, tickets,	\$5.00	
Dr. Charles A. Pratt, investigations,	41.67	
E. Anthony & Sons,	1.00	
Bates & Kirby, rent,	41.67	
Hatch & Co.,	2.10	
Nathaniel Hathaway, diphtheria test,	10.00	
N. B. Gas & Edison Light Co.,	.75	
Dr. A. M. Pierce,	10.00	
Postal Telegraph Cable Co.,	.69	
Dr. Charles D. Prescott,	5.00	\$118.28
Bates & Kirby,	41.67	
Ernst & Richards, atlas,	25.00	
N. B. Gas Co.,	.75	
Dr. Charles A. Pratt,	41.67	
Louis H. Richardson,	5.00	
Southern Mass. Telephone Co.,	17.50	
C. R. Sherman & Son,	.50	
R. W. Taber,	.12	
Western Union Telegraph Co.,	.25	132.46
E. Anthony & Sons,	15.55	
Bates & Kirby,	41.67	
Manuel Brown, six months' services,	24.00	

William Deacon, plumbing expenses,	14.50	
N. B. Gas Co.,	.75	
S. C. Mandell,	.35	
Dr. Charles A. Pratt,	41.67	
L. H. Richardson,	5.00	
W. N. Swift,	9.00	
R. W. Taber,	26.22	178.71
E. Anthony & Sons,	2.40	
Bates & Kirby,	41.67	
Board of Health,	20.00	
Dr. Anna W. Croacher,	13.50	
Nathaniel Hathaway,	6.00	
Mercury Publishing Co.,	2.75	
N. B. Gas & Edison Light Co.,	.75	
Dr. Charles A. Pratt,	41.67	
Louis H. Richardson,	5.00	
Robert W. Taber,	2.00	135.74
Louis H. Richardson,	5.00	
Dr. C. A. Pratt,	41.67	
W. E. Macomber, (janitorship),	50.00	
Bates & Kirby,	41.66	
Standish Bourne,	2.00	
Dr. W. N. Swift,	13.75	
F. L. Sowle & Co.,	.75	
N. B. Gas Co.,	.75	
Evening Journal Co.,	2.13	
N. B. Tow Boat Co.,	5.00	
Nathaniel Hathaway,	12.00	
Nathaniel Hathaway,	1.00	
Dr. Anna W. Croacher,	17.00	
Dr. Anna W. Croacher, expenses,	3.00	
E. Anthony & Sons,	33.49	229.20
E. Anthony & Sons,	7.00	
Bates & Kirby,	41.66	
Ballard & Kirschbaum,	1.00	
Dr. A. W. Croacher,	5.50	
Mercury Publishing Co.,	6.00	
N. B. Gas Co.,	.75	
N. B. Tow Boat Co.,	15.00	
Dr. C. A. Pratt,	41.67	
Louis H. Richardson,	5.00	
Dr. W. N. Swift,	25.00	
Dr. W. N. Swift,	13.00	
Robert W. Taber,	.90	
Henry J. Taylor,	1.10	163.58

E. Anthony & Sons,	2.50	
Bates & Kirby,	41.66	
N. B. Gas Co.,	.75	
C. H. & H. A. Lawton,	29.20	
Dr. C. A. Pratt,	41.67	
Samuel W. Peckham,	2.25	
Louis H. Richardson,	5.00	
E. G. Reynolds,	3.50	126.53
E. Anthony & Sons,	4.20	
Bates & Kirby,	41.66	
Dr. A. W. Croacher,	7.00	
William Deacon,	16.50	
Evening Journal Co.,	3.25	
Mercury Publishing Co.,	4.00	
N. B. Gas Co.,	.75	
S. W. Peckham,	24.00	
Dr. C. A. Pratt,	41.67	
Dr. C. A. Pratt,	3.00	
Louis H. Richardson,	5.00	
Southern Mass. Telephone Co.,	17.50	
Mortimer Searles,	4.00	172.53
Bates & Kirby,	41.67	
Manuel Brown,	24.00	
Dr. A. W. Croacher,	28.50	
N. B. Tow Boat Co.,	15.00	
N. B. Gas Co.,	.75	
Dr. C. A. Pratt,	41.67	
Samuel W. Peckham,	2.00	
Louis H. Richardson,	5.00	
William Deacon,	23.50	182.09
Bates & Kirby,	41.67	
W. A. Greenough,	2.00	
N. B. Tow Boat Co.,	20.00	
N. B. Gas Co.,	.75	
Dr. C. A. Pratt,	41.67	
L. H. Richardson,	5.00	
Dr. H. L. Stevens,	10.42	
Dr. W. N. Swift,	30.00	151.51
Louis H. Richardson,	5.00	
W. E. Macomber,	50.00	
N. B. Tow Boat Co.,	10.00	
N. B. Gas Co.,	.75	
Dr. C. A. Pratt,	41.67	

Bates & Kirby,	41.67	
R. W. Taber,	2.00	
Dr. A. W. Croacher,	6.00	
E. Anthony & Sons,	20.29	177.29
Louis H. Richardson,	5.00	
Dr. C. A. Pratt,	41.63	
E. Anthony & Sons,	7.90	
E. Anthony & Sons,	6.00	
E. Anthony & Sons,	24.57	
Bates & Kirby,	41.67	
William Deacon,	7.06	
Hatch & Co.,	1.30	
Hatch & Co.,	.60	
C. H. & H. A. Lawton,	50.70	
N. B. Gas Co.,	.75	
N. B. Tow Boat Co.,	5.00	
Dr. W. N. Swift,	12.00	
Robert W. Taber,	3.45	
R. W. Taber,	1.00	
"Volunteer,"	25.00	
West & Jones,	2.00	235.63
Whole amount,		<hr/> \$2,003.55
Whole amount appropriated,		\$18,300.00
Whole amount expended, including salaries, etc.,		16,915.86
Balance unexpended,		<hr/> \$1,384.14

## MORTUARY REPORT FOR THE YEAR 1895.

CAUSE OF DEATH.	JAN.	FEB.	MAR.	APRIL.	MAY.	JUNE.	JULY.	AUG.	SEPT.	OCT.	NOV.	DEC.	TOTAL.
Atelectasis, . . . . .	2	1	.	.	.	.	.	.	.	.	.	1	4
Apoplexy, . . . . .	4	1	4	2	6	5	1	2	6	5	2	4	42
Abscess, Orbital, . . . . .	1	.	.	.	.	.	.	.	.	.	.	.	1
Asphyxia, . . . . .	.	1	.	.	.	.	.	.	.	.	.	.	1
Addison's Disease, . . . . .	.	.	2	.	.	.	.	.	.	.	.	.	2
Anaemia, . . . . .	.	.	1	.	1	.	.	3	.	.	1	.	6
Anaemia, pernicious, . . . . .	.	.	.	1	.	.	.	.	1	.	.	1	3
Alcoholism, . . . . .	.	.	.	.	.	.	2	.	.	.	.	1	3
Aesophagus, stricture of, . . . . .	.	.	.	.	.	.	.	1	.	.	.	.	1
Accident, . . . . .	.	.	.	.	.	.	.	.	1	.	.	.	1
Brain, tumor of, . . . . .	.	.	.	.	.	1	.	.	.	.	.	.	1
Bronchitis, . . . . .	5	5	4	2	.	2	.	.	.	.	3	.	21
Bronchitis, cap., . . . . .	.	1	.	.	.	.	.	.	.	1	1	.	3
Brain disease, . . . . .	.	1	.	2	.	1	.	3	1	.	1	.	9
Brain and spinal cord, . . . . .	.	.	.	.	1	.	.	.	.	.	.	.	1
Burns, . . . . .	.	.	.	1	.	.	.	.	1	1	.	.	3
Bladder, disease of, . . . . .	.	.	.	.	.	.	.	.	1	.	2	.	3
Cancer of jaw, . . . . .	.	.	.	.	.	.	.	.	.	1	.	.	1
Cancer of throat, . . . . .	.	.	.	.	.	.	.	.	.	1	.	.	1
Cancer of tongue, . . . . .	.	.	.	.	.	.	.	.	.	1	.	.	1
Cancer, . . . . .	1	.	.	1	.	1	2	.	4	2	4	.	15
Cancer of breast, . . . . .	1	.	.	.	.	.	.	.	.	.	.	.	1
Cancer of stomach, . . . . .	1	.	.	.	1	.	.	.	.	1	.	.	3
Cancer of uterus, . . . . .	1	.	.	.	1	.	.	1	.	.	.	.	3
Cancer of liver, . . . . .	1	.	.	.	.	.	.	.	1	.	2	.	4
Cancer of omentum, . . . . .	.	1	.	.	.	.	.	.	.	.	.	.	1
Cancer of intestines, . . . . .	.	.	2	1	1	.	.	.	.	.	.	.	4
Cancer of rectum, . . . . .	.	.	.	.	1	.	.	.	.	.	.	.	1
Cancer of bowels, . . . . .	.	.	.	.	1	.	.	.	.	.	.	.	1
Cancer of kidney, . . . . .	.	.	.	.	.	1	.	.	.	.	.	.	1
Convulsions, . . . . .	2	5	8	.	4	2	2	8	2	.	2	1	36
Congestion, pul., . . . . .	.	.	1	.	.	.	.	1	.	.	.	.	2
Cholera infantum, . . . . .	.	.	.	.	.	1	23	33	6	1	2	.	66
Caries of pelvis, . . . . .	.	.	.	.	.	.	.	1	.	.	.	.	1
Convulsions, puerperal, . . . . .	.	.	.	.	.	.	.	1	.	.	1	.	2
Croup, . . . . .	.	.	.	.	.	.	.	.	1	1	.	2	4
Debility, . . . . .	.	.	3	1	.	2	1	2	1	1	3	.	14
Debility, infantile, . . . . .	7	1	10	2	8	10	10	15	10	12	10	10	105
Diphtheria, . . . . .	3	3	2	.	1	.	.	.	2	2	7	6	26
Diarrhœa, . . . . .	.	1	1	.	.	.	1	3	.	.	.	.	6
Diabetes, . . . . .	.	.	1	1	.	.	1	.	2	.	.	.	5
Drowning, . . . . .	.	.	.	.	1	1	1	2	.	.	.	.	5
Delirium tremens, . . . . .	.	.	.	.	.	1	.	.	.	.	.	.	1
Dysentery, . . . . .	.	.	.	.	1	.	1	2	.	.	.	.	4
Enteritis, . . . . .	.	.	.	2	.	2	1	2	.	.	1	.	8
Enteritis, gastro, . . . . .	1	.	1	.	.	.	3	5	3	.	3	1	17
Entero-colitis, . . . . .	.	.	.	.	.	.	4	7	2	2	.	.	15

MORTUARY REPORT FOR THE YEAR 1895.—*Continued.*

CAUSE OF DEATH.	JAN.	FEB.	MAR.	APRIL.	MAY.	JUNE.	JULY.	AUG.	SEPT.	OCT.	NOV.	DEC.	TOTAL.
Erysipelas, . . . . .		1	3	.	.	.	.	.	1	.	.	.	5
Epilepsy, . . . . .			1	.	.	.	.	.		1	.	.	2
Fever, scarlet, . . . . .		1	.	.	.	.	1	1	2	.	.	.	5
Fever, typhoid, . . . . .		1	.	.	.	1	.	3	3	.	1	.	9
Fever, gastric, . . . . .		.	1	.	.	.	.	.	.	.	.	.	1
Fracture base of skull, . . . . .		.	.	1	1	.	.	1	.	.	.	.	3
Fever, intermittent, . . . . .		.	.	.	.	.	1	.	.	.	.	.	1
Gangrene, . . . . .		.	.	.	.	.	.	.	1	.	.	.	1
Gangrene, senile, . . . . .			1	.	.	.	1	.	.	.	.	.	2
Gastritis, . . . . .		.	.	.	1	1	1	.	.	.	.	.	3
Heart disease, . . . . .	13	7	16	6	10	4	3	6	6	5	8	10	94
Hydrocephalus, . . . . .	2	.	.	1	.	.	.	.	.	.	1	.	4
Hemorrhage, . . . . .	1	.	.	.	.	.	.	.	.	1	2	.	4
Heart, mal. of, . . . . .	.	.	.	1	.	.	.	.	.	.	.	.	1
Hemorrhage from lungs, . . . . .	.	.	.	.	1	.	.	1	.	.	.	.	2
Injuries from a boiler explosion, . . . . .	.	.	.	.	.	.	.	1	.	.	.	.	1
Influenza, . . . . .	.	.	1	3	.	.	.	.	.	.	.	.	4
Injuries to internal organs, . . . . .	.	.	1	.	.	.	.	1	.	.	.	.	2
Intestinal obstruction, . . . . .	.	.	.	1	1	.	.	.	.	.	.	.	2
Injuries from an electric car, . . . . .	.	.	.	.	1	.	.	.	.	.	.	.	1
Injury of spinal cord, . . . . .	.	.	.	.	.	.	.	.	.	1	.	.	1
Intussusception, . . . . .	.	.	.	.	.	.	.	.	.	.	1	.	1
Kidney disease, . . . . .	8	9	5	3	2	4	3	2	2	5	6	.	49
Liver, cirrhosis of, . . . . .	.	.	1	1	.	1	.	1	.	.	.	.	4
Liver, disease of, . . . . .	.	.	.	.	.	1	.	.	.	.	.	.	2
Locomotor ataxia, . . . . .	.	.	.	1	.	.	.	.	.	.	.	.	1
Laryngitis, acute, . . . . .	.	.	.	.	.	.	.	.	1	.	.	.	1
Malformation, . . . . .	.	.	.	.	.	1	.	.	.	.	1	.	2
Meningitis, . . . . .	1	4	1	1	3	1	1	1	2	.	1	2	18
Meningitis, cer., . . . . .	1	.	.	.	.	.	.	.	1	.	.	.	2
Meningitis, spinal, . . . . .	1	.	.	.	.	.	.	.	.	.	.	.	1
Meningitis, cer. spinal, . . . . .	.	.	.	2	.	.	.	1	.	1	.	.	4
Meningitis, tub., . . . . .	.	.	.	3	1	1	2	3	.	1	3	1	15
Myxodema, . . . . .	.	1	.	.	.	.	.	.	.	.	.	.	1
Measles, . . . . .	.	.	.	.	.	.	1	.	.	.	.	.	1
Malnutrition, . . . . .	1	.	.	.	.	.	.	1	.	.	.	.	2
Myelitis, . . . . .	.	.	.	.	.	.	.	.	.	1	.	.	1
Membranous croup, . . . . .	.	.	.	.	.	.	.	.	2	.	.	.	2
Monstrosity, . . . . .	.	.	.	.	.	.	.	.	.	1	.	.	1
Mania, puerperal, . . . . .	1	.	.	.	.	.	.	.	.	.	.	.	1
Old age, . . . . .	2	6	2	1	1	1	.	3	.	5	1	4	26
Pyæmia, . . . . .	.	.	.	.	.	.	.	.	.	.	1	.	1
Poisoning, fly paper, (accident), . . . . .	.	.	.	.	.	.	.	.	.	.	1	.	1
Pneumonia, . . . . .	6	12	20	7	9	5	1	5	2	3	6	2	78
Pneumonia, broncho, . . . . .	1	2	1	.	1	1	1	1	.	1	.	.	9
Pneumonia, pleuro, . . . . .	.	.	.	.	1	1	.	.	1	1	1	.	5
Phthisis, pul., . . . . .	6	10	8	7	9	10	4	5	5	5	15	13	97





	JAN.	FEB.	MAR.	APRIL.	MAY.	JUNE.	JULY.	AUG.	SEPT.	OCT.	NOV.	DEC.	TOTAL.
Whole number of deaths, . . .	80	90	117	68	81	73	85	136	74	71	100	80	1055
Under 1, . . . . . { Males,	10	9	20	11	14	17	30	34	12	11	15	14	197
{ Females,	6	11	10	5	7	5	22	28	14	8	9	8	133
1-2, . . . . . { Males,	4	3	1	.	1	2	3	6	1	1	3	1	26
{ Females,	2	3	2	2	1	1	2	6	.	5	5	.	29
2-3, . . . . . { Males,	1	1	1	1	1	.	1	3	1	.	.	1	11
{ Females,	1	.	1	1	1	1	1	2	1	.	4	2	14
3-4, . . . . . { Males,	.	.	.	2	1	2	1	.	1	1	.	1	9
{ Females,	.	.	1	.	.	1	.	1	2	.	1	1	7
4-5, . . . . . { Males,	.	1	.	1	.	.	.	.	2	.	.	1	5
{ Females,	1	.	.	.	1	.	.	1	.	2	.	1	6
5-10, . . . . . { Males,	2	3	.	2	1	1	1	1	.	2	3	1	17
{ Females,	2	2	3	.	3	.	1	1	3	.	2	1	18
10-15, . . . . . { Males,	1	1	.	.	.	.	.	.	.	.	2	.	4
{ Females,	1	2	2	.	1	.	.	.	.	.	1	1	8
15-20, . . . . . { Males,	2	2	1	.	.	1	1	4	2	.	1	.	14
{ Females,	.	1	5	.	3	.	1	3	.	2	1	2	18
20-30, . . . . . { Males,	2	.	4	2	2	1	.	1	5	3	4	1	25
{ Females,	4	4	4	5	3	5	2	1	1	1	8	5	43
30-40, . . . . . { Males,	2	1	1	2	5	3	2	1	4	4	3	3	31
{ Females,	1	5	1	3	3	5	.	5	1	1	6	3	34
40-50, . . . . . { Males,	2	3	3	2	2	1	1	4	.	2	1	1	22
{ Females,	2	4	8	3	3	2	2	2	1	2	2	6	37
50-60, . . . . . { Males,	8	1	8	4	5	2	3	4	6	3	2	3	49
{ Females,	5	8	5	1	4	1	2	7	5	3	4	4	49
60-70, . . . . . { Males,	5	5	4	2	6	5	1	3	1	5	5	4	46
{ Females,	6	1	9	3	7	5	4	9	1	4	6	2	57
70-80, . . . . . { Males,	7	3	6	6	3	4	.	3	3	2	2	5	44
{ Females,	1	7	7	5	3	2	3	1	3	2	4	3	41
Over 80, . . . . . { Males,	.	5	5	.	.	1	1	4	2	3	4	3	28
{ Females,	2	4	5	5	1	5	.	1	2	4	2	2	33
Stillborn, . . . . { Males,	3	3	3	1	3	2	.	6	4	.	1	3	29
{ Females,	4	4	2	1	2	3	1	3	3	2	2	4	31
Whole number of males,	46	38	54	35	41	40	45	68	40	37	45	39	528
Whole number of females,	34	52	63	33	40	33	40	68	34	34	55	41	527

Nineteen vessels coming from foreign ports boarded by  
Quarantine Physician. None quarantined.

Board { NATHANIEL HATHAWAY,  
of { W. N. SWIFT,  
Health, { T. W. COOK.

IN BOARD OF ALDERMEN,

May 14, 1896.

Received, ordered printed in the City Documents, and  
sent down for concurrence.

D. B. LEONARD,

City Clerk.

IN COMMON COUNCIL,

5 mo., 14, 1896.

Concurred.

WILLIAM A. MACKIE,

Clerk.





1895—CITY DOCUMENT No. 8.

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THE

# AUDITOR'S ANNUAL REPORT

OF THE

RECEIPTS AND EXPENDITURES

OF THE

City of New Bedford,

FOR THE YEAR 1895.

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NEW BEDFORD:  
MERCURY PUBLISHING COMPANY, CITY PRINTERS.  
1896.





CITY OF NEW BEDFORD,

AUDITOR'S OFFICE,

March 31, 1896.

*To the Honorable the City Council of New Bedford.*

GENTLEMEN:—Herewith I have the honor to submit the Annual Report of all the Receipts and Expenditures of the city for the financial year ending on the first Monday in January, 1896, together with a statement of the city debt, a schedule of the real and personal property belonging to the city and the estimated value thereof, and such other statements as I have deemed of interest.

Yours respectfully,

GEORGE W. PARKER,

City Auditor.

# AUDITOR'S REPORT.

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JAMES H. HATHAWAY, ESQ., CITY TREASURER,  
IN ACCOUNT WITH THE CITY OF NEW BEDFORD.

DR.

1895, January 7, to balance of cash,		\$179,395.66
Appropriations, general, taxes 1895,	\$705,873.37	
"    "    1894,	11,060.49	
"    "    1893,	5,697.60	
"    "    1892,	502.93	
"    "    1891,	138.84	
"    "    1890,	39.56	
"    "    1889,	33.51	
"    special,    1894,	82,000.00	
Cemeteries,	4,265.56	
"    sale of lots,	4,593.00	
Cemetery funds,	800.00	
Commonwealth of Mass., chap. 279,	1,330.00	
"    "    "    301,	9,274.50	
"    "    "    395,	105.00	
"    "    "    447,	34.36	
Free Public Library, dog fund,	1,226.94	
"    "    "    trustees of,	3,758.92	
Highways and streets,	33.03	
Incidentals,	64.00	
New Bedford School Committee, Howland fund,	3000.00	
New Bedford School Committee, Jonathan Bourne prize fund,	60.00	
New Bedford Water Works,	92,734.70	
"    "    further water supply,	1,475.00	
Park commission.	147.11	

## AUDITOR'S REPORT.

5

Permanent debt,	\$122,053.55	
Public schools, incidentals,	1.65	
"    "    pay of teachers,	.10	
"    "    dog fund,	1,220.93	
Real estate tax account,	495.16	
Sinking funds,	5,003.98	
Temporary loan,	440,000.00	
Unappropriated funds,	182,881.88	\$1,679,905.67
		<u>\$1,859,301.33</u>

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# AUDITOR'S REPORT.

JAMES H. HATHAWAY, ESQ., CITY TREASURER,  
IN ACCOUNT WITH THE CITY OF NEW BEDFORD.

CR.

Appropriations special, loan 1894,	\$75,000.00
Board of Health,	16,915.86
Cemeteries,	19,186.62
"    sale of lots,	5,661.14
Commonwealth of Mass., chap. 62,	245.00
"            "            "    279,	2,977.79
"            "            "    301,	9,307.50
"            "            "    447,	4,737.97
Court judgments,	541.71
Election fund,	4,305.27
Engineering department,	9,253.76
"            "            grade crossings,	517.92
Fire department,	75,672.58
Free Public Library,	7,274.40
"    "    "    subject catalogues,	1,482.60
"    "    "    dog fund,	915.33
"    "    "    trustees of,	4,360.79
Highways and streets,	137,586.11
"            "    crusher plant,	9,173.00
Coggeshall street bridge,	3,012.50
Dredging docks,	2,082.00
Engine and boiler house, city stable,	1,500.00
Land damages widening Brock avenue,	4,452.67
"    "    "    Fourth street,	18,283.10
Incidentals,	41,025.08
Kempton st. schoolhouse and lot,	390.68

## AUDITOR'S REPORT.

7

License commission,	\$556.01
Lighting the streets,	44,646.76
New Bedford and Fairhaven bridge,	2,468.61
New Bedford School Committee, Howland fund,	2,733.37
New Bedford School Committee, Jonathan Bourne prize fund,	60.00
New Bedford Water Works,	124,315.56
“ “ further water supply,	100,342.93
Park commission,	21,321.17
Permanent debt,	216,798.64
Platting system,	285.38
Police department,	98,016.38
Poor department,	40,141.84
Printing, binding and stationery,	4,436.18
Public schools, incidentals,	41,755.53
“ “ pay of teachers,	108,455.11
“ “ repairs of buildings,	9,377.87
“ “ dog fund,	1,130.25
“ “ manual training,	238.54
Real estate tax account,	285.95
Repairs of city property,	8,646.11
Repairs of city hall,	15,143.32
Schoolhouse, Phillips avenue,	5,615.32
“ lot, Phillips avenue,	3,889.41
“ Clark street,	13,617.18
Acushnet avenue schoolhouse addition, heating,	1,025.00
Schoolhouse, Fourth and Madison streets,	168.39
“ “ “ “ heating,	800.00
Salaries,	23,112.34
Sewers, general account,	19,465.65
“ Acushnet avenue,	1,532.74
Arch street,	235.25
Atlantic street,	240.04
Beetle street, No. 3,	1,219.85
Belleville avenue, No. 6,	549.48
Belleville avenue, No. 7,	431.96
Butler street,	824.60
Coffin avenue, No. 2,	10,018.35
Coggeshall street, No. 4,	344.36
Court street, No. 4,	704.79
Davis street and Riverside avenue,	1,888.15
Jouvette street,	698.14
Mill street, No. 6,	251.89
Mill street. No. 7,	148.29
Morgan and Ash streets,	614.21



Morton court,	\$375.51	
North street, No. 6,	228.63	
Phillips avenue, drain,	235.94	
Pierce street,	293.21	
Scott street,	266.00	
Thompson street,	1,622.20	
Vera Brook,	762.14	
Vine street,	1,470.85	
Sinking funds,	69,803.98	
Temporary loan,	380,000.00	\$1,839,520.74
City Treasurer, balance of cash,		19,780.59
		<hr/>
		\$1,859,301.33

# EXPENDITURES IN DETAIL.

## APPROPRIATIONS, GENERAL 1895.

Board of Health,	\$15,300.00	
Cemeteries,	9,000.00	
Commonwealth of Mass., chap. 279,	1,200.00	
“ “ “ 447,	3,300.00	
Engineering department,	5,400.00	
Fire department,	57,600.00	
Free Public Library,	7,200.00	
Highways and streets,	94,500.00	
Incidentals,	26,600.00	
License commission,	900.00	
Lighting the streets,	37,800.00	
New Bedford and Fairhaven bridge,	3,600.00	
New Bedford Water Works,	10,000.00	
Park commission,	4,000.00	
Permanent debt,	99,745.00	
Platting system,	200.00	
Police department,	85,500.00	
Poor department,	37,800.00	
Printing, binding, and stationery,	4,300.00	
Public Schools, incidentals,	33,300.00	
“ “ pay of teachers,	96,300.00	
“ “ repairs of buildings,	4,500.00	
Repairs of city property,	4,500.00	
Salaries,	20,700.00	
Sewers, general account,	13,500.00	
Sinking funds,	64,800.00	\$741,545.00

### Cr.

By cash receipts, as per Treasurer's report,	\$705,873.37	
January 6, 1896. Balance,	35,671.63	\$741,545.00

### Dr.

January 6, 1896. To Balance,	\$35,671.63
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## APPROPRIATIONS, GENERAL, 1894.

January 7, 1895.	To Balance,	<u>                    </u>	<u>\$41,589.21</u>
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CR.

By cash receipts, as per Treasurer's report,	\$11,060.49	
January 6, 1896. Balance,	<u>30,528.72</u>	<u>\$41,589.21</u>

DR.

January 6, 1896.	To Balance,	<u>                    </u>	<u>\$30,528.72</u>
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## APPROPRIATIONS, GENERAL, 1893.

January 7, 1895.	To Balance,	<u>                    </u>	<u>\$20,746.13</u>
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CR.

By cash receipts, as per Treasurer's report,	\$5,697.60	
January 6, 1896. Balance,	<u>15,048.53</u>	<u>\$20,746.13</u>

DR.

January 6, 1896.	To Balance,	<u>                    </u>	<u>\$15,048.53</u>
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1896.

## AUDITOR'S REPORT.

II

## APPROPRIATIONS, GENERAL 1892.

DR.

January 7, 1895. To balance,	<u>                    </u>	<u>\$8,747.49</u>
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CR.

By cash receipts, as per Treasurer's report	\$502.93	
January 6, 1896. Balance,	<u>8,244.56</u>	<u>\$8,747.49</u>

DR.

January 6, 1896. To balance,	<u>                    </u>	<u>\$8,244.56</u>
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## APPROPRIATIONS, GENERAL, 1891.

January 7, 1895. To balance,	<u>                    </u>	<u>\$5,597.81</u>
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CR.

By cash receipts, as per Treasurer's report,	\$138.84	
January 6, 1896. Balance,	<u>5,458.97</u>	<u>\$5,597.81</u>

DR.

January 6, 1896. To Balance,	<u>                    </u>	<u>\$5,458.97</u>
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## APPROPRIATIONS, GENERAL, 1890.

DR.

January 7, 1895.	To balance		<u>\$16,137.67</u>
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CR.

By cash receipts, as per Treasurer's report,		\$39.56	
Transfer,		8,244.91	
January 6, 1896.	Balance,	<u>7,853.20</u>	<u>\$16,137.67</u>

DR.

January 6, 1896.	To balance,		<u>\$7,853.20</u>
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## APPROPRIATIONS, GENERAL, 1889.

January 7, 1895.	To Balance,		<u>\$12,974.17</u>
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CR.

By cash receipts, as per Treasurer's report,		\$33.51	
Transfer,		<u>12,940.66</u>	<u>\$12,974.17</u>

## APPROPRIATIONS, SPECIAL, 1895.

Board of Health,	\$3,000.00	
Cemeteries,	6,175.00	
Engineering department,	1,000.00	
Fire department,	7,275.00	
Free Public Library, catalogues,	1,000.00	
Highways and streets,	20,500.00	
"            "    crusher plant,	7,000.00	
Coggeshall street bridge,	6,000.00	
Dredging docks,	2,500.00	
Engine and boiler house, city stable,	1,500.00	
Land damages, widening Brock avenue,	4,452.67	
"            "            "    Fourth street,	22,783.10	
"            "            "    Union street,	22,465.00	
Incidentals,	9,800.00	
Park commission,	10,500.00	
Public schools, incidentals,	7,000.00	
"            "    pay of teachers,	12,500.00	
"            "    repairs of buildings,	6,000.00	
Repairs, city hall,	7,900.00	
Schoolhouse, Phillips avenue,	32,500.00	
"            lot, Phillips avenue,	3,920.00	
"            Clark street,	31,546.68	
Sewer, Acushnet avenue,	1,000.00	
Arch street,	300.00	
Atlantic street,	400.00	
Beetle street, No. 3,	2,100.00	
Belleville avenue, No. 6,	650.00	
Belleville avenue, No. 7,	650.00	
Butler street,	1,200.00	
Coffin avenue, No. 2,	10,000.00	
Coggeshall street, No. 4,	400.00	
Court street, No. 4,	800.00	
Davis street and Riverside avenue,	2,000.00	
Jouvette street,	2,000.00	
Mill street, No. 6,	300.00	
Mill street, No. 7,	2,250.00	
Morgan and Ash streets,	800.00	
Phillips avenue, drain,	250.00	
Pierce street,	300.00	
Scott street,	400.00	
Thompson street,	2,000.00	
Vera Brook,	800.00	
Vine street,	1,100.00	\$257,017.45



## CR.

By Transfer,		\$35,000.00	
January 6, 1896.	Balance,	222,017.45	\$257,017.45

DR.

January 6, 1896.	To Balance,	\$222,017.45
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## APPROPRIATIONS, SPECIAL, 1894.

DR.

January 7, 1895. To Balance,	\$1,120,208.27
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## CR.

By cash receipts, as per Treasurers's report,	\$82,000.00	
Transfer,	38,208.27	
January 6, 1896. Balance,	1,000,000.00	\$1,120,208.27

DR.

January 6, 1896.	To Balance,	\$1,000,000.00
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### APPROPRIATIONS, SPECIAL LOAN, 1894.

DR.

To New England Trust Co.,	\$75,000.00
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## CR.

January 7, 1895. By Balance,	\$75,000.00
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## BOARD OF HEALTH.

## DR.

## Salaries :

William E. Macomber, Health Officer,	\$1,001.00	
Dr. C. A. Pratt, Physician,	500.00	
Louis H. Richardson, Inspector,	1,377.65	
Susie J. Small, clerk,	533.66	\$3,412.31

## Collecting garbage :

Edgar H. Gammons,	12,000.00
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## Rent :

Bates & Kirby,	500.00
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## Printing and Advertising :

E. Anthony & Sons, Inc.,	124.81	
Evening Journal,	5.38	
Mereury Publishing Co.,	12.75	142.94

## Incidentals :

Ballard & Kirschbaum,	1.00
Standish Bourne,	2.00
Manuel Brown,	48.00
Dr. Anna W. Croacher,	80.50
William Deacon,	61.56
Everts & Richards,	25.00
W. A. Greenough & Co.,	2.00
Hatch & Co.,	4.00
Nathaniel Hathaway,	49.40
C. H. & H. A. Lawton,	79.90
William E. Macomber,	100.00
S. C. Mandell,	.35
New Bedford Gas & Edison Light Co.,	9.00
New Bedford Tow Boat Co.,	70.00
Samuel W. Peckham,	28.25
Dr. A. M. Pierce,	10.00
Postal Telegraph Co.,	.69
Dr. C. A. Pratt,	3.00
Dr. C. D. Prescott,	5.00
E. G. Reynolds,	3.50
Louis H. Richardson,	60.00
Mortimer Searles,	4.00
C. R. Sherman,	.50

So. Mass. Telephone Co.,	\$35.00	
F. L. Sowle & Co.,	.75	
Dr. H. L. Stevens,	10.42	
Dr. William N. Swift,	102.75	
Robert W. Taber,	35.69	
Henry J. Taylor & Son,	1.10	
Tug Volunteer,	25.00	
West & Jones,	2.00	
Western Union Telegraph Co.,	.25	\$860.61
		<hr/>
		\$16,915.86
Transfer to balance,		1,384.14
		<hr/>
		\$18,300.00

## CR.

By appropriation,	\$15,300.00	
Appropriation, special,	3,000.00	\$18,300.00
		<hr/>

## CEMETERIES.

## DR.

## Pay rolls:

Oak Grove cemetery,	\$3,627.81	
Pine Grove cemetery,	153.85	
Rural cemetery,	4,952.22	\$8,733.88

## Salaries:

Charles F. Cornell, superintendent,	700.00	
Edward S. Haskell, " "	56.01	
Charles F. Cornell, sexton,	400.93	
Nelson L. Pike, " "	274.68	
H. E. Thomas, " "	291.69	
Sam'l F. Watterson, " "	417.37	
Pardon A. Macomber, clerk,	927.00	3,067.68

## Sundries:

Acushnet Iron Co.,	50.00
F. T. Akin & Co.,	2.50
Frank T. Albro,	14.00

J. Alexander,	109.00
Almy & Hitch,	2.75
E. Anthony & Sons, Inc.,	112.47
Frank C. Barrows,	15.00
Bates & Kirby,	60.00
C. T. Bosworth & Co.,	1.30
F. S. Brightman,	11.47
C. O. Brightman,	4.75
Briggs & Lawrence,	1.58
Brownell & Co.,	121.43
Wm. P. Butler,	10.20
Central Union Association,	.28
George A. Cobb,	1.00
W. H. Collins & Co.,	67.00
Eugene Crapo,	10.00
Edward G. Davis,	60.00
Z. B. Davis,	14.04
Denison Bros. Co.,	46.00
DeWolf & Vincent,	26.96
Wm. Doran & Son,	180.00
George A. Eggars,	8.50
Evening Journal,	6.36
David Ferguson,	130.42
Edgar H. Gammons,	19.00
Chas. A. Gray,	.58
Greene & Wood,	10.35
W. A. Greenough & Co.,	6.00
Estate Jonathan Handy,	5.66
T. M. Hart & Co.,	23.61
D. L. Hathaway & Son,	200.75
N. P. Hayes,	76.89
Estate J. E. Herman,	2.90
Thomas Hersom & Co.,	32.12
Highways and streets,	96.56
Hillman, Washburn & Co.,	84.37
Albert W. Holmes,	5.70
H. S. Hutchinson & Co.,	43.19
George E. Jenks,	575.00
W. A. Jenney,	128.10
Jenney & Buffington,	2.33
P. P. Jenney & Son,	189.53
George Kirby, Jr., & Co.,	64.73
Kirby & Hicks,	8.00
J. Frank Kirk,	20.00

C. H. & H. A. Lawton,	4.55
S. C. Lowe,	69.08
Pardon A. Macomber,	21.89
H. M. Maine,	1.44
W. A. Mauda,	5.25
John W. Manchester,	27.17
John McCue,	9.50
James McFarlin,	5.00
Merchants' National Bank,	149.28
Mercury Publishing Co.,	8.02
S. H. Mitchell,	12.00
Richard H. Morgan,	2,600.00
E. D. Mosher,	42.36
N. B. Cordage Co.,	9.02
N. B. Gas & Edison Light Co.,	7.07
Mrs. Chas. Negus,	8.40
John N. O'Brien,	47.75
Joseph A. Olstein,	471.83
S. S. Paine & Bro.,	23.70
C. S. Paisler,	105.03
J. H. Peckham,	6.58
William Peirce,	1.50
E. F. Penney,	8.24
Perkins & Chase,	41.50
Frank Perry & Co.,	227.60
Charles E. Pierce,	43.64
E. H. Pierce,	19.15
Eli W. Reed,	24.41
E. G. Reynolds,	9.00
George D. Richards,	1.25
Sanders & Barrows Clothing Co.,	11.25
Mortimer Searles,	9.45
I. B. Seeley,	146.00
E. H. Shaw & Co.,	4.75
James L. Sherman,	14.53
W. D. Sherman,	.60
Smith-Carlton Iron Co.,	2.70
So. Mass. Telephone Co.,	115.81
Nat P. Sowle,	4.32
Charles Spooner,	1.65
F. A. Sterry,	41.99
B. I. Stowell,	12.50
F. A. Stowell,	28.00
Wm. F. Sturtevant,	8.63
Antonio A. Sylvia,	36.13

R. W. Taber,	6.07	
H. J. Taylor & Son,	4.00	
Alexander A. Tripp,	68.75	
Union Street Railway Co.,	50.00	
Weston C. Vaughan, Jr.,	11.50	
Annie I. Welling,	15.00	
Wm. R. West,	2.75	
Western Union Telegraph Co.,	.88	
E. T. Wilson,	11.00	
Wilson & Wordell,	21.20	
Wood, Brightman & Co.,	82.01	\$7,385.06
		<hr/>
		\$19,186.62
To transfer to balance,		253.94
		<hr/>
		\$19,440.56

## CR.

By appropriation,	\$9,000.00	
Appropriations, special,	6,175.00	
Cash receipts, as per Treasurer's report,	4,265.56	\$19,440.56

## CEMETERIES, SALE OF LOTS.

## DR.

## Pay rolls:

Oak Grove cemetery,	\$1,311.02	
Pine Grove cemetery,	543.77	
Rural cemetery,	2,050.55	\$3,905.34

## Sundries:

Brownell & Co.,	\$18.58	
Briggs & Lawrence,	10.70	
E. G. Davis,	600.00	
Mary W. Davis,	4.40	
Danzell & Enos,	30.92	
Denison Bros. Co.,	7.84	
George A. Eggars,	3.15	
Antone Enos,	2.82	



David Ferguson,	152.00	
T. Hersom & Co.,	3.00	
Highways and streets,	116.71	
S. C. Lowe,	190.83	
John W. Manchester,	14.50	
E. D. Mosher,	17.01	
Mrs. Charles R. Neagus,	10.26	
Joseph A. Olstein,	191.40	
Frank Perry & Co.,	45.00	
E. L. Potter,	.67	
Isaac Reed,	28.51	
David W. Sherman,	1.00	
F. A. Sterry,	12.89	
B. I. Stowell,	49.00	
Nat P. Sowle,	2.24	
E. & K. C. Terry,	69.77	
Alexander A. Tripp,	11.10	
John Whiteside,	155.50	
Wilson & Wordell,	6.00	\$1,755.80
		<hr/>
		\$5,661.14
January 6, 1896. To balance,		211.07
		<hr/>
		\$5,872.21

## CR.

January 7, 1895. By balance,	\$1,279.21	
By cash receipts, as per Treasurer's report,	4,593.00	\$5,872.21

## CR.

January 6, 1896. By balance,	\$211.07
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## CEMETERY FUNDS.

## CR.

January 7, 1895. By balance,	\$25,934.93	
By cash receipts, as per Treasurer's report,	800.00	\$26,734.93

## COMMONWEALTH OF MASSACHUSETTS.

## CHAPTER 279 OF 1889.

## SOLDIERS' AID.

## DR.

January 7, 1895. To balance,		\$1,286.97
City Treasurer,	\$2,836.00	
Town of Middleboro,	99.79	
Caleb G. Shepherd,	42.00	2,977.79
		<u>\$4,264.76</u>

## CR.

By appropriation,	\$1,200.00	
By cash receipts, as per Treasurer's report,	1,330.00	
January 6, 1896. By balance,	1,734.76	<u>\$4,264.76</u>

## DR.

January 6, 1896. To balance,	<u>\$1,734.76</u>
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## COMMONWEALTH OF MASSACHUSETTS.

## CHAPTER 301 OF 1894.

## STATE AID.

January 7, 1895. To balance,	\$9,032.43	
City Treasurer,	9,307.50	<u>\$18,339.93</u>

## CR.

By cash receipts, as per Treasurer's report,	\$9,274.50	
January 6, 1896. By balance,	9,065.43	<u>\$18,339.93</u>

## DR.

January 6, 1896. To balance,	<u>\$9,065.43</u>
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## COMMONWEALTH OF MASSACHUSETTS.

## CHAPTER 395 OF 1894.

## BURIALS.

## DR.

January 7, 1895. To balance,		\$210.00
Robert G. Bennett,	\$70.00	
T. J. Murphy,	35.00	
J. D. Sullivan,	35.00	
Weston C. Vaughan, Jr.,	35.00	
E. T. Wilson,	70.00	245.00
		<hr/>
		\$455.00

## CR.

By cash receipts, as per Treasurer's report,	\$105.00	
By transfer to balance,	105.00	
January 6, 1896. By balance,	245.00	\$455.00

## DR.

January 6, 1896. To balance,		\$245.00
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## COMMONWEALTH OF MASSACHUSETTS.

## CHAPTER 447 OF 1890.

## SOLDIERS' RELIEF.

January 7, 1895. To balance,		\$1,246.17
City Treasurer,	\$4,362.72	
Oscar F. Aldrich,	48.00	
Ashley & Peirce,	10.00	
H. W. Brightman,	60.00	
Charles H. Brownell & Sons,	6.00	
David Duff & Son,	13.95	
Taunton Lunatic Hospital,	237.30	4,737.97
		<u>\$5,984.14</u>

## CR.

By appropriation,	\$3,300.00	
By cash receipts, as per Treasurer's report,	34.36	
By transfer to balance,	2,649.78	<u>\$5,984.14</u>

## COURT JUDGMENTS.

## DR.

D. H. Demoranville,	<u></u>	<u>\$541.71</u>
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## CR.

By transfer to balance,	<u></u>	<u>\$541.71</u>
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## ELECTION FUND.

Dr.

Precinct officers,		\$1,438.00
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## Printing and advertising :

E. Anthony & Sons, Inc.,	\$1,251.24	
Catholic Union Printing Co.,	184.92	
Evening Journal Co.,	339.05	
L'Echo du Soir Pub. Co.,	40.70	
Mercury Publishing Co.,	445.51	2,261.42

## Rents :

Bates & Kirby,	15.00	
H. G. Dennis,	10.00	
Adolph Dufresne,	15.00	
George E. Saxon,	50.00	
Spruce street church,	40.00	130.00

## Hack hire :

Isaac L. Ashley,	6.00	
Charles R. Cornell,	3.00	
E. C. Gardiner,	9.00	
Kirby & Hicks,	6.00	
Philip H. King,	6.00	
C. H. Murphy,	9.00	
William D. Richards,	6.00	
Allen Smith, Jr.,	3.00	
T. S. Swift,	6.00	
A. A. Sylvia,	3.00	
David Warren,	6.00	63.00

## Incidentals :

James T. Almy,	1.00
F. T. Akin & Co.,	2.75
Briggs & Lawrence,	2.30
C. O. Brightman,	10.59
F. S. Brightman,	13.71
Albion T. Brownell,	28.30
Myron W. Brownell,	10.00
Church & Hammond,	1.00
Wm. S. Cook,	7.25
C. S. & B. Cummings,	.72
Faunce & Johnson,	110.74
John A. Gomley,	20.00

W. A. Greenough & Co.,	2.00	
Stephen Haffords, Jr.,	10.00	
B. F. Hathaway, Jr.,	10.00	
H. S. Hutchinson & Co.,	20.90	
A. V. Jason,	10.00	
Isaac M. Jones,	4.00	
A. G. Luce,	4.50	
N. B. Gas & Edison Light Co.,	20.05	
John Notter,	1.90	
E. F. Penney,	9.00	
Samuel W. Peckham,	4.50	
A. D. Piper,	12.00	
D. M. Piper,	3.00	
J. Arthur Piper,	22.00	
A. P. Pope,	18.50	
George D. Richards,	.99	
E. B. Sherman,	4.15	
So. Mass. Telephone Co.,	35.00	
Wm. B. Topham,	6.25	
F. H. Winship,	2.25	
Wood, Brightman & Co.,	3.50	412.85
		<u>\$4,305.27</u>

## CR.

By transfer from unappropriated funds,	\$4,000.00	
Transfer to balance,	305.27	<u>\$4,305.27</u>



## ENGINEERING DEPARTMENT.

Dr.

Pay rolls,	\$4,428.15
Wm. F. Williams, City Land Surveyor,	2,220.50
F. T. Akin & Co.,	\$13.71
A. R. Andrews,	104.50
E. Anthony & Sons, Inc.,	28.67
Association of Engineering Societies,	1.25
J. L. Ballou,	49.94
Clifford Baylies,	7.00
Bowker & Tripp,	.20
Edwin R. Bowie,	20.00
C. O. Brightman,	80.09
F. S. Brightman,	54.01
Buff & Berger,	171.05
Church & Hammond,	1.91
C. S. & B. Cummings,	1.00
A. B. Drake,	4.50
W. T. Emery,	18.15
Evening Journal Co.,	11.91
Everts & Richards,	30.00
Forbes Lithograph Mfg. Co.,	77.50
Frost & Adams,	32.70
Greene & Wood,	5.52
W. A. Greenough & Co.,	2.00
T. M. Hart & Co.,	1.15
Hatch & Co.,	9.05
N. P. Hayes,	2.30
Highways and streets,	161.01
Hillman, Washburn & Co.,	.60
Samuel C. Hunt,	15.00
H. S. Hutchinson & Co.,	62.43
P. P. Jenney & Son,	.60
D. J. Kane & Bro.,	1.25
Wm. L. Kelley,	8.00
Mrs. Edith V. Kendall,	19.85
Keuffel & Esser Co.,	22.25
Keystone Blue Paper Co.,	38.00
Library Bureau,	7.87
S. G. Mandell,	.25
Mercury Publishing Co.,	2.24

Metcalf & Desmond,	25.46	
James E. Moody,	17.95	
N. B. Gas & Edison Light Co.,	91.00	
N. B. Water Works,	2.40	
Nye & Hadley,	1.45	
Odd Fellows' Building Association,	683.40	
S. F. Perry & Son,	73.00	
E. A. Remington,	20.12	
George D. Richards,	2.98	
Mortimer Searles,	.80	
F. R. Slocum,	7.00	
So. Mass. Telephone Co.,	146.72	
Spaulding Print Paper Co.,	41.65	
John B. Sullivan,	8.00	
Taber Art Co.,	.40	
Robert W. Taber,	36.00	
Union Street Railway Co.,	125.00	
Lettice R. Washburn,	50.00	
W. F. Williams,	113.86	
Chas. F. Wing,	68.21	
Wood, Brightman & Co.,	22.25	2,605.11
		<hr/>
		\$9,253.76

## CR.

January 7, 1895. By balance,	\$528.10	
Appropriation,	5,400.00	
Special appropriation,	1,000.00	
Transfers from unappropriated funds,	2,200.00	
Transfer to balance,	125.66	\$9,253.76
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## FIRE DEPARTMENT.

DR.

## Pay rolls,

Frederick Macy, chief engineer,	\$1,000.00	
Loring T. Parlow, 1st assistant engineer,	350.00	
James J. Donaghy, 2d assistant engineer,	250.00	
Samuel C. France, 3d assistant engineer,	250.00	
George M. Crapo, 4th assistant engineer,	250.00	
Luther G. Hewins, Jr., clerk,	200.00	\$2,300.00

Protecting Society, 150.00

Permanent men, 32,369.15

Engine Co. No. 1,	1,393.74	
“ No. 2,	1,393.74	
“ No. 4,	1,393.74	
“ No. 5,	1,393.74	
“ No. 6,	1,393.74	
“ No. 7,	1,393.74	
“ No. 8,	1,393.74	
“ No. 9,	575.00	

Hook and Ladder Co., No. 1, 1,372.55

“ “ No. 2, 1,280.83

“ “ No. 3, 1,272.01

Hose Co., No. 1, 742.32

“ No. 2, 742.50 15,741.39

## Repairs of engines, harnesses, etc. :

Jesse Allen,	2.75	
Philip S. Briggs,	4.00	
George L. Brownell,	12.70	
William Cronin & Co.,	460.33	
C. F. Cushing,	120.75	
Chas. F. Grow,	34.75	
Hale Harness and Fire Supply Co.,	250.00	
L. J. Hathaway,	99.85	
T. F. Healy,	146.90	
George G. Huddy,	27.45	
L. A. Littlefield,	.75	
Clarence Lowell,	157.15	
F. H. Sargent,	32.50	
E. L. Tillinghast,	119.15	1,469.03

## Repairs of engine houses :

F. T. Akin & Co.,	18.96	
J. L. Ballou,	162.04	
Daniel J. Benson,	6.60	
Coggeshall, Maxfield & Co.,	65.79	
D. H. Cook,	27.26	
Thos. W. Croacher,	16.49	
Marshall S. Greene,	19.99	
Greene & Wood,	94.11	
Francis W. Hammond,	367.11	
M. A. Hickey,	6.41	
Highways and streets,	105.57	
Kern & Wright,	6.50	
A. Knowles,	2.35	
S. C. Lowe,	143.09	
Timothy E. Lowney,	89.98	
J. L. G. Mason,	29.12	
Neolith Co.,	1.30	
N. B. Boiler & Machine Co.,	32.99	
N. B. Gas & Edison Light Co.,	123.09	
Charles S. Paisler,	1.00	
E. F. Penney,	6.30	
John H. Ryan,	29.45	
Martin H. Sullivan,	97.29	
S. A. Tripp,	13.25	
Wm. H. Washburn,	7.20	
Wm. R. West,	220.70	1,693.94

## Hay, grain and fuel :

F. T. Akin & Co.,	779.90
Reuben W. Austin,	13.92
Wm. Baylies,	567.22
George H. Brayton,	82.95
Joseph T. Brownell,	91.17
Wm. P. Covell,	24.36
J. G. Davoll,	142.35
Denison Bros. Co.,	577.88
E. G. Dillingham,	8.45
M. S. Douglass,	24.00
A. R. Frissell,	14.63
James Gammons,	11.41
Albert W. Holmes,	309.52
Frederick Hutchings,	5.85
W. A. Jenney,	32.31
Frank H. Keil,	9.20

Joseph Keil,	41.40	
Charles S. Kelley,	730.68	
J. Frank Kirk,	377.19	
Henry Lenhart,	33.09	
Marston & Converse Co.,	179.72	
Stephen Mandell,	8.36	
J. P. Morse,	42.24	
Frank P. Morton,	11.32	
Thomas N. Nash,	16.92	
John Notter,	174.74	
Poor department,	842.70	
D. H. Potter,	74.16	
F. B. Ricketson,	109.61	
John C. Sherman,	7.88	
John Spachman,	9.20	
J. M. Tinkham,	139.24	
Estate J. M. Tinkham,	88.88	
John A. Viera,	23.74	5,606.19

## Horse hire:

H. T. Ashley,	65.00	
J. V. Bancroft,	77.00	
Mrs. Andrew Dwelley,	2.00	
Fred Hutchings,	3.00	
Kirby & Hicks,	4.00	
Isaac H. Manchester,	43.00	
Mortimer McCarthy,	51.00	
N. B. Street Transportation Co.,	25.65	
Frank Perry,	37.00	
E. G. Reynolds,	16.00	
Timothy Sheehan,	46.50	
Allen Smith, Jr.,	6.50	
Wamsutta stables,	1.50	
David Warren,	43.00	424.15

## Labor:

A. J. Aiken,	5.25	
D. S. Considine,	2.00	
A. J. Cote,	3.00	
George H. Gifford,	2.00	
T. E. Lowney,	2.50	
J. S. Pye,	2.00	
John F. Parker,	2.00	
So. Mass. Telephone Co.,	1.75	
J. A. Sweet,	8.75	



J. Tinkham,	.75	
E. F. Tripp,	8.75	
L. F. Wolfendine,	.80	39.55

## Supplies :

Acushnet Iron Co.,	40.56
F. T. Akin & Co.,	1.02
American Tube Works,	61.15
Babbitt, Wood & Co.,	2.50
J. A. & W. Bird & Co.,	162.84
Bowker & Tripp,	7.59
Cornelius Callahan & Co.,	1,089.50
Cooper Hose Jacket Co.,	25.00
C. S. & B. Cummings,	.65
DeWolf & Vincent,	67.61
Driscoll, Church & Hall,	137.16
Eastern Furnishing Co.,	24.00
Edes Manf'g Co.,	112.00
Gardner & Southwick,	60.57
Gibbs & Nelson,	70.00
Greene & Wood,	7.56
Estate Jonathan Handy,	3.42
Jona. Handy Co.,	.61
Thomas M. Hart & Co.,	22.29
N. P. Hayes,	15.29
George W. Hillman,	200.00
Hillman, Washburn & Co.,	24.81
George S. Homer,	15.00
Daniel Kelleher,	20.00
S. C. Lowe,	10.50
S. G. Mandell,	6.00
Morse Twist Drill Co.,	6.19
Municipal Fire & Police Telegraph Co.,	20.50
N. B. Boiler & Machine Co.,	34.24
N. B. Copper Co.,	7.57
N. B. Cordage Co.,	9.34
N. B. Gas & Edison Light Co.,	2.45
N. B. Water Works,	28.40
N. E. Gamewell Co.,	225.00
John Otheman,	.15
C. N. Perkins & Co.,	82.50
E. H. Pierce,	48.53
Popes Island Mfg. Co.,	2.72
George D. Richards,	11.95
C. R. Sherman & Son,	3.38

A. C. Smith,	20.25	
So. Mass. Telephone Co.,	6.00	
F. L. Sowle & Co.,	13.22	
Taylor & Sawtelle,	13.50	
H. J. Taylor & Son,	35.86	
S. A. Tripp,	28.21	
Wamsutta Mills,	16.13	
Wamsutta stables,	3.75	
Washburn & Moen Mfg. Co.,	91.97	
Wm. R. West,	5.89	
John S. Williams,	74.75	
George S. Willis,	133.90	3,113.98

## Blacksmithing :

F. A. Bonneau,	57.87	
Brownell, Ashley & Co.,	186.35	
Joseph Carpenter,	17.85	
N. H. Caswell,	49.00	
E. M. Durfee,	261.78	
Fichtenmeyer & Flynn,	355.32	
John W. Footman,	54.23	
Andrew E. Hathaway,	251.90	
J. Luce,	38.60	
E. L. Macomber,	5.35	
E. B. Macy,	281.62	
H. C. Stanbridge,	12.88	
S. J. Tucker,	43.50	
U. Vignault,	7.40	1,623.05

## Miscellaneous :

F. T. Akin & Co.,	5.51	
Almy & Hitch,	4.30	
E. Anthony & Sons, Inc.,	195.19	
J. B. Baylies,	31.65	
Dr. A. M. Bigelow,	136.50	
Bliss & Nye,	3.25	
Briggs & Lawrence,	132.96	
F. S. Brightman,	17.10	
Bowker & Tripp,	.40	
Broad Gauge Iron Works	1.60	
Wm. S. Brown,	38.26	
Dr. A. C. Daniels,	20.00	
D. H. Demorauville,	400.00	
John W. Donaghy,	10.00	
Frank M. Douglass,	5.55	

J. O. Douglass,	1,425.00
David Duff & Son,	461.46
W. H. Dunham,	12.00
A. A. Dunlap,	85.00
Everts & Richards,	25.00
Charles A. Gray,	26.88
Greene & Wood,	12.02
Jeremiah T. Haggerty,	375.00
Thomas M. Hart & Co.,	30.22
Hatch & Co.,	6.70
Andrew E. Hathaway,	125.00
Hayes Hose Elevator Co.,	50.00
M. C. Healey & Co.,	4.10
Highways and streets,	4.49
Charles T. Holloway,	1,750.00
Johnson & Howland,	15.00
Wm. L. Kelley,	1.50
Charles F. Keene,	3.75
C. H. & H. A. Lawton,	4.33
La France Engine Co.,	3,200.00
S. C. Lowe,	25.25
Frederick Macy,	461.68
H. M. Maine,	4.74
S. G. Mandell,	1.00
Mortimer McCarthy,	1.00
Mercury Publishing Co.,	6.00
Mitchell Manfg. Co.,	8.34
C. H. Mosher,	12.60
N. B. Boiler & Machine Co.,	25.12
N. B. Gas & Edison Light Co.,	772.66
N. B. Ice Co.,	29.29
New York, New Haven & Hartford R. R. Co.,	20.17
L. Z. Normandin,	4.80
Pairpoint Mfg. Co.,	3.75
Frank R. Pease,	.70
Wm. P. Reed,	20.00
Pardon Russell, Jr.,	12.00
F. R. Slocum,	97.85
So. Mass. Telephone Co.,	464.20
Peter St. Clair,	165.00
W. G. Taber,	6.00
J. Arthur Taylor,	44.08
George Thomas,	4.40
S. A. Tripp,	21.30
Wamsutta Stables,	200.00

L. A. Washburn,	3.00	
Wm. H. Washburn,	1.00	
James B. Watkins,	20.75	
Wm. R. West,	5.20	
E. B. Whiting & Co.,	77.95	
Wood, Brightman & Co.,	2.60	11,142.15
		<hr/>
		\$75,672.58
To transfer to balance,		3,485.42
		<hr/>
		\$79,158.00

## CR.

By appropriation,	\$57,600.00	
Special appropriations,	7,275.00	
Transfers from unappropriated funds,	14,283.00	\$79,158.00

## FREE PUBLIC LIBRARY.

## DR.

## Salaries:

R. C. Ingraham, librarian,	\$2,250.00	
W. L. R. Gifford, assistant librarian,	333.32	
B. W. Pennock, assistant librarian,	1,110.57	
Mary E. Brown, assistant,	540.00	
Anna M. DeWolf, assistant,	296.14	
Florence E. Farwell, assistant,	274.20	
Susie H. Gammons, assistant,	540.00	
Etta F. Lawrence, assistant,	94.77	
Emma J. Merrick, assistant,	206.00	
Josephine A. Merrick, assistant,	540.00	
Clara C. Russell, assistant,	23.67	
Y. W. Ames, janitor,	709.53	
D. J. McAuliffe, janitor,	62.00	
O. D. Kelleher, page,	35.05	
C. L. Yaeger, page,	208.49	\$7,223.74

## Supplies :

E. Anthony & Sons, Inc.,	4.00	
Library Bureau,	43.66	
Robert W. Taber,	3.00	50.66
		<u>\$7,274.40</u>

CR.

By appropriation,	\$7,200.00	
Transfer to balance,	74.40	<u>\$7,274.40</u>

## FREE PUBLIC LIBRARY-SUBJECT CATALOGUE.

DR.

E. Anthony & Sons, Inc.,	\$589.20	
W. H. Collins & Co.,	52.80	
E. L. Jones,	251.34	
Library Bureau,	349.43	
Clara C. Russell,	96.33	
Robert W. Taber,	143.50	\$1,482.60
January 6, 1896. To balance,		413.73
		<u>\$1,896.33</u>

CR.

January 7, 1895. By balance,	\$96.33	
Special appropriation,	1,000.00	
Transfer from unappropriated funds,	800.00	<u>\$1,896.33</u>

CR.

January 6, 1896. By balance,	<u>\$413.73</u>
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## FREE PUBLIC LIBRARY—DOG FUND.

## DR.

Almy & Milne,	\$6.00	
Richard W. Ames,	9.00	
Y. W. Ames,	8.00	
E. Anthony & Sons, Inc.,	209.84	
F. Apollos Bradley,	52.50	
F. S. Brightman,	28.65	
George L. Briggs,	50.85	
Briggs & Lawrence,	47.91	
S. S. Broadbent,	8.00	
City Treasurer,	52.00	
W. H. Collins & Co.,	171.85	
Anna M. DeWolf,	10.00	
Evening Journal Co.,	20.44	
Florence E. Farwell,	20.25	
H. S. Hutchinson & Co.,	29.45	
Library Bureau,	51.18	
Mercury Publishing Co.,	13.50	
Emma J. Merrick,	16.00	
Neilson Manufg. Co.,	53.50	
Nicholson & Co.,	12.00	
George R. Phillips,	3.00	
Pierce & Bushnell Mfg. Co.,	5.00	
A. P. Pope,	9.23	
George D. Richards,	4.13	
Robert W. Taber,	6.05	
C. D. Waldron,	1.00	
C. L. Yaeger,	16.00	\$915.33
January 6, 1896. To balance,		311.87
		<u>\$1,227.20</u>

## CR.

January 7, 1895. By balance,	\$26	
Cash receipts, as per Treasurer's report,	1,226.94	<u>\$1,227.20</u>

## CR.

January 6, 1896. By balance,	<u>\$311.87</u>
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## FREE PUBLIC LIBRARY—TRUSTEES OF.

(INCOME DERIVED FROM TRUST FUNDS.)

## DR.

Books, periodicals, newspapers, etc.:

Academy of Natural Science of Philadelphia,	\$5.00
American Academy of Political and Social Science,	5.00
American Antiquarian Society,	2.00
American Architect of Building News Co.,	25.00
American Journal of Philology,	3.00
E. Anthony & Sons, Inc.,	6.00
D. Appleton & Co.,	127.00
Bancroft-Whitney Co.,	28.00
N. J. Bartlett & Co.,	60.65
Boston History Co.,	15.00
Z. M. Briggs, Agt.,	2.50
Brookline Public Library,	1.00
Cassier Magazine Co.,	10.00
T. H. Castor & Co.,	70.53
Cedric Chivers,	44.44
W. H. Collins & Co.,	12.60
Egypt Exploration Fund,	15.00
Essex Institute,	3.00
Everts & Richards,	15.00
L. S. Foster,	3.00
S. G. Gidley,	10.00
W. A. Greenough & Co.,	2.00
W. H. Guild & Co.,	34.51
Francis P. Harper,	9.00
Headley & Reed,	10.00
Houghton, Mifflin & Co.,	50.00
H. S. Hutchinson & Co.,	1,621.61
H. S. Inman,	35.00
H. G. Johnson,	2.75
Mary G. Kent,	2.50
E. T. Kirshbaum,	1.00
Library Bureau,	4.00
Little, Brown & Co.,	143.56
George E. Littlefield,	172.73
W. H. Lowdermilk,	1.76
A. S. Marble,	3.00
Massachusetts Historical Society,	3.00

Joseph McDonough,	1.46	
Samuel E. Miller,	38.50	
Pierce & Bushnell Mfg. Co.,	5.00	
Publishers' Weekly,	15.50	
Sidney S. Ryder, Agt.,	6.75	
S. Raymond Roberts,	30.00	
Sampson, Murdock & Co.,	2.00	
Sampson Subscription Agency,	651.30	
A. S. Smith,	10.50	
Abraham Taber,	16.15	
R. W. Taber,	1,008.99	
Tribune Association,	10.00	
University of Pennsylvania Press,	2.00	
Womens Journal,	2.50	\$4,360.79
January 6, 1896. To balance,		2,691.15
		<u>\$7,051.94</u>

## CR.

January 7, 1895. By balance,	\$3,293.02	
Cash receipts, as per Treasurer's report,	3,758.92	\$7,051.94

## CR.

January 6, 1896. By balance,	<u>\$2,691.15</u>
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## HIGHWAYS AND STREETS.

Dr.

Pay rolls,		\$87,449.53
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## Teaming :

Brownell, Ashley & Co.,	\$ .63	
Elihu Bunker,	43.85	
Central Union Association,	.55	
Warren E. Chase,	275.00	
A. L. Couet,	.75	
Wm. Cronin & Co.,	173.30	
C. F. Cushing,	86.03	
Dr. A. C. Daniels,	16.00	
J. O. Douglass,	750.00	
A. B. Drake,	29.23	
A. A. Dunlap,	2.00	
Fichtenmeyer & Flynn,	.38	
John W. Footman,	3.18	
J. N. Gage,	47.75	
Andrew E. Hathaway,	19.70	
George G. Huddy,	80.82	
Perry P. Jenney & Son,	73.50	
W. A. Jenney,	47.74	
C. L. Kenyon & Co.,	228.95	
W. M. Magoon, V. S.,	33.10	
Russell & Drew,	225.00	
E. C. Taber,	.95	
U. Vignault,	1.13	
James B. Watkins,	.40	
Wilson & Wordell,	7.00	2,146.94

## Hay and grain :

Seth Alden,	69.64	
William Baylies,	1,724.30	
William P. Covell,	1,287.65	
Denison Bros. Co.,	2,822.12	
S. T. Hawes,	22.27	
J. Frank Kirk,	404.50	6,330.48

## Repairs of boilers, crushers, etc. :

Acushnet Iron Co.,	2.13
Babbitt, Wood & Co.,	17.75
Bowker & Tripp,	108.47

Farrell Foundry & Machine Co.,	307.30	
O. S. Kelley Co.,	750.00	
N. B. Boiler & Machine Co.,	55.23	
Smith-Carleton Iron Co.,	20.94	
D. W. Wilson,	24.31	1,286.13

## Supplies and material :

Abbott-Downing Co.,	7.25	
Acushnet Saw Mill Co.,	43.45	
F. T. Akin & Co.,	14.82	
A. W. Allen,	17.49	
Babbitt, Wood & Co.,	34.53	
H. T. Borden,	4.00	
Brightman Bros.,	117.80	
Corson Coal Co.,	36.99	
T. S. Corson,	190.20	
William Cronin & Co.,	1.00	
Mary W. Davis,	10.44	
George Delano's Sons,	56.64	
Denison Bros. Co.,	10.67	
DeWolf & Vincent,	32.88	
William Doran,	78.84	
Driscoll, Church & Hall,	30.00	
David Duff & Son,	865.14	
George A. Eggars,	22.90	
Octave Fortin,	5.00	
Greene & Wood,	17.42	
Jonathan Handy,	87.63	
Estate Jonathan Handy,	.80	
Jonathan Handy Co.,	139.48	
N. P. Hayes,	351.00	
Hickery Broom Fibre Co.,	25.00	
A. W. Holmes,	220.35	
Charles E. Howland,	147.18	
O. S. Kelley Co.,	1.25	
S. C. Lowe,	198.57	
Clarence Lowell,	.64	
N. B. Boiler & Machine Co.,	36.18	
N. B. Gas & Edison Light Co.,	1,584.00	
Willard Nye, Jr.,	235.20	
William F. Nye,	.40	
S. S. Paine & Bro.,	6,823.01	
Perkins & Chase,	2,978.79	
E. H. Pierce,	14.53	
C. G. & G. A. Randall,	99.64	

W. A. Robinson & Co.,	2.00	
John A. Russell,	85.32	
C. R. Sherman & Son,	2.00	
James L. Sherman,	13.55	
F. L. Sowle & Co.,	32.45	
Standard Oil Co.,	79.55	
D. J. Sullivan,	3.50	
H. Vincent,	2.50	
Waite, Williams & Co.,	137.81	
Wakefield Rattan Co.,	36.25	
Wamsutta Mills,	50.55	
William R. West,	78.21	
Wilson & Wordell,	29.00	
Wood, Brightman & Co.,	1.44	15,095.24

## Crusher stone,

Henry C. Allen,	7.98	
Joseph Andre,	80.55	
Charles M. Andrews,	77.37	
Robert Arnett, Jr.,	27.45	
Charles S. Ashley,	16.08	
Henry T. Ashley,	9.25	
T. J. Ashley,	2.60	
Joseph Baker,	504.69	
John Bertram,	17.16	
Horace Bobin,	14.57	
Jere. Bono,	42.31	
George P. Booth,	126.53	
George B. Borden,	34.97	
L. F. Bouchard,	127.48	
John Braga,	597.64	
George Brennan,	3.82	
Peter Boyer, Jr.,	11.27	
J. W. Briggs,	1.63	
C. O. Brightman,	8.60	
Wm. H. Brightman,	182.93	
C. T. Brownell,	18.92	
George L. Brownell,	94.91	
James Burke,	90.10	
Charles Burnett,	3.72	
James Burns,	82.24	
C. H. W. Butts,	11.40	
Antone Cardoze,	40.33	
E. H. Casey,	91.06	
Gerald Casey,	11.40	

Nathan Chase,	2.41
George A. Cobb,	4.55
George Coggeshall,	42.31
Wm. P. Coggeshall,	28.33
W. C. Collingwood,	9.26
John Connell,	3.12
C. A. Cornell,	46.43
J. H. Cornell,	1.06
J. W. Cornell,	9.19
John Connors,	37.35
Patrick Connors,	66.80
George G. Cory,	34.36
Isaac C. Cory,	33.93
Eugene G. Crapo,	320.10
Bartlett Damzell,	9.28
M. L. Damzell,	54.96
Damzell & Enos,	272.50
Dudley Davenport,	71.18
Joseph DeCosta,	160.58
DeLisle & Langlois,	59.12
Alfred Denault,	84.73
Moses Denault,	76.56
J. O. Douglass,	24.88
A. F. Enos,	156.53
Manuel Fatil,	2.88
David Ferguson,	22.97
Daniel Flansbury,	252.30
Stephen Flansbury,	194.69
J. T. Francis,	76.73
Edgar H. Gammons,	85.57
Garfield & Proctor,	7.14
C. T. W. Gifford,	16.63
Lewis Gifford,	2.65
L. R. Gifford,	2.88
Frank Goddard,	8.89
Dollie Goodreau,	69.99
Edward Goulet,	12.04
Peter Gregoire,	114.95
Xavier Grenier,	20.79
David Grew, Jr.,	65.27
Frank Haskell,	84.39
Andrew E. Hathaway,	210.84
A. W. Hathaway,	53.37
Henry V. Hathaway,	2.11
Henry W. Hathaway,	68.59



John W. Hathaway,	94.47
Paul S. Hathaway,	17.23
S. T. Hawes,	85.40
Joseph Hendricks,	2.06
Wm. Howard,	159.69
Beriah G. Howland,	9.11
Ezra Howland,	11.87
John Jacintho,	76.27
Joseph Jacintho,	143.95
Jenney & Buffington,	71.33
Harriet E. Jennings,	18.26
Addie Jones,	4.97
Fred Jones,	10.03
John Jones,	36.32
Jones & Stowell,	42.90
Wm. D. Kennedy,	1.68
Robert B. King,	128.75
Lapan Levi,	6.86
Antone Lopes,	19.71
Wm. P. Macomber,	39.21
John W. Manchester,	191.59
Mortimer McCarthy	72.01
Timothy McCroin,	2.30
John Mellor,	17.44
Jules Moquin,	.94
Frank Monty,	43.39
Henri Mossi,	4.19
Peter Mountain,	72.41
N. B. Street Transportation Co.,	808.45
Benj. Negus,	63.50
Chas. H. Negus,	124.97
Wm. A. Negus,	29.38
Joseph Noyer,	1.79
Edward M. Peirce,	40.06
Perkins & Chase,	1.52
Frank Perry,	38.25
Manuel Perry,	107.42
J. Henry Pierce,	6.87
Sarah C. Potter,	192.54
Eli Reed,	.38
T. W. Reed,	7.84
Wm. B. Reed,	13.38
Abiatha Rogers,	516.44
Joseph H. Rogers,	13.84
Ernest Rondeau,	5.70

Prosperre Rondeau,	2.23	
Jeremiah B. Russell,	.19	
Antone J. Sequiera,	24.39	
Timothy Sheehan,	117.59	
So. Mass. Telephone Co.,	87.51	
Fredk. J. Spencer,	79.15	
A. J. Spicer,	7.09	
E. F. Spooner,	87.84	
Joseph W. Spooner,	29.21	
Albert Strong,	76.03	
F. A. Stowell,	175.12	
John B. Sullivan,	947.01	
E. R. Swain,	112.01	
A. J. Sylvia,	31.51	
Manuel D. Sylvia,	88.11	
Manuel L. Sylvia,	110.09	
Manuel S. Sylvia,	58.74	
O. R. Taber & Son,	15.54	
L. F. Thomas,	55.48	
A. C. Tripp,	1.98	
Frederick Tripp,	8.99	
George W. Tripp,	23.80	
Peleg Tripp,	7.12	
W. O. T. Upham,	78.95	
Union Street Railway Co.,	595.16	
David Wainer,	79.85	
David Warren,	517.29	
George Weaver,	63.90	
Cliff. White,	30.22	
George White,	2.87	
John Whiteside,	60.79	
Deborah A. Wilbur,	45.63	
George F. Wilbur,	67.60	
J. T. Wilbur,	4.77	
Mrs. J. T. Wilbur,	33.50	
S. S. Wilbur,	298.31	
John Williams,	8.75	
Joseph Williams,	115.41	
Wm. Williams,	9.94	
John E. Wood,	70.95	12,911.44

## Paving stone :

David Adams,	42.76
Joseph Andre,	14.91
T. J. Ashley,	27.02

Joseph Bastnett,	1.09	
John Bertram,	3.49	
George P. Booth,	24.57	
J. W. Briggs,	6.77	
E. H. Casey,	4.27	
John Connell,	16.25	
John Connors,	67.68	
Patrick Connors,	42.99	
C. A. Cornell,	3.93	
Eugene G. Crapo,	57.79	
Peter Crapo,	2.92	
Thomas Crapo,	14.01	
Danzell & Enos,	22.99	
Dudley Davenport,	8.57	
Jason DeCosta,	11.35	
Manuel Fatil,	2.45	
J. T. Francis,	13.61	
H. M. Gibson,	1.42	
Peter Gregorie,	1.29	
David Grew, Jr.,	1.46	
Frank Haskell,	7.27	
Paul S. Hathaway,	10.24	
S. T. Hawes,	2.47	
John Jones,	19.86	
R. B. King,	.99	
John W. Manchester,	37.33	
John McCabe,	8.70	
Mortimer McCarty,	75.96	
Timothy McCroin,	5.65	
Wm. A. Negus,	33.96	
N. B. Street Transportation Co.,	15.76	
Edward M. Peirce,	2.49	
Perkins & Chase,	33.87	
Martin Phillips,	29.33	
Eli Reed,	9.32	
Jere. B. Russell,	16.61	
Timothy Sheehan,	1.85	
Joseph W. Spooner,	72.32	
F. A. Stowell,	31.98	
John B. Sullivan,	3,790.87	
A. J. Sylvia,	7.16	
Manuel D. Sylvia,	1.43	
W. O. T. Upham,	6.95	
David Warren,	159.07	
Joseph Williams,	4.30	
William Williams,	2.05	4,781.38

## Miscellaneous :

F. T. Akin & Co.,	13.55
Ames Plow Co.,	4.09
E. Anthony & Sons, Inc.,	441.60
Isaac L. Ashley,	.50
Ballard & Kirshbaum,	2.00
Clifford Baylies,	1.50
Borden & Hamer,	17.25
Edwin R. Bowie,	65.74
Bowker & Tripp,	2.10
Briggs & Lawrence,	22.00
C. O. Brightman,	3.28
F. S. Brightman,	126.95
George L. Brownell,	6.25
Brownell, Ashley & Co.,	1.35
J. M. Burgess,	24.00
A. R. Caswell,	1.50
Abram Chace & Co.,	27.17
Church & Hammond,	.40
George A. Cobb,	8.00
Charles W. Coggeshall,	24.70
Samuel H. Cook & Co.,	50.00
Wm. S. Cook,	60.00
T. S. Corson,	35.00
A. L. Couet,	.75
O. E. Covil,	41.00
C. S. & B. Cummings,	24.60
Arthur B. Curtis,	280.00
A. B. Drake,	48.25
S. J. Donaghy,	2.00
George A. Eggars, city sealer,	5.00
W. T. Emery,	2.60
Engineering News Pub. Co.,	13.60
Engineering Record,	.72
Evening Journal,	168.34
Everts & Richards,	50.00
Fairbanks Co.,	3.00
Frost & Adams,	14.56
Edgar H. Gammons,	1.00
General sewers,	549.96
T. J. Gifford & Co.,	3.63
Marshall S. Greene,	158.05
Greene & Wood,	174.37
W. A. Greenough & Co.,	4.00
Frank R. Hadley,	211.21

T. M. Hart & Co.,	39.43
Haskell & Tripp,	.84
Hatch & Co.,	2.05
George E. Hatch,	124.83
L. J. Hathaway,	218.18
Thomas Hersom,	250.00
Hickory Broom Fibre Co.,	10.00
Charles E. Howland,	22.12
E. Howard Watch Co.,	6.00
H. S. Hutchinson & Co.,	83.50
B. S. Jenkins,	2.40
Jenney & Buffington,	1.50
P. P. Jenney & Son,	23.30
D. J. Kane & Bro.,	16.25
Kern & Wright,	282.34
Kirby & Hicks,	60.00
C. F. Lawton,	405.82
Library Bureau,	33.11
S. C. Lowe,	1.70
Clarence Lowell,	32.60
S. G. Mandell,	1.50
John McLeod,	7.33
John J. Meaney,	33.38
Mercury Publishing Co.,	117.82
George Nelson,	23.80
N. B. Boiler & Machine Co.,	20.00
N. B. Cordage Co.,	40.17
N. B. Gas & Edison Light Co.,	503.70
N. B. Ice Co.,	26.61
N. B. Street Transportation Co.,	51.25
N. B. Tow Boat Co.,	97.50
N. B. Water Works,	144.64
New York, New Haven & Hartford Railroad Co.,	41.19
Thomas H. Norton,	1.32
George H. Nye,	29.25
Willard Nye, Jr.,	58.20
Odd Fellows' Building Association,	983.30
Park Commission,	53.30
Edward M. Peirce,	13.50
S. F. Perry & Son,	16.50
A. D. Peters,	40.00
E. Remington,	92.16
E. G. Reynolds,	25.00
George D. Richards,	24.01
S. P. Richmond,	53.05

John H. Robbins,	\$4.00	
Charles Rogers,	5.70	
Pardon Russell, Jr.,	31.77	
F. A. Sanford,	2.65	
A. K. P. Sawin,	3.50	
Mortimer Searles,	1.25	
Edward S. Shaw,	57.00	
Sisson & Ring,	1.50	
So. Mass. Telephone Co.,	247.40	
Nat P. Sowle,	6.00	
Job Sweet,	35.75	
Arthur F. H. Taber,	22.96	
Robert W. Taber,	111.60	
Union Boot & Shoe Co.,	.30	
Union Street Railway Co.,	2.50	
Lettice R. Washburn,	76.50	
Michael Waters,	.96	
William R. West,	3.13	
S. S. Wilbur,	14.00	
W. F. Williams,	19.72	
Charles F. Wing,	80.35	
Wood, Brightman & Co.,	46.41	7,584.97
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		\$137,586.11
To transfer to new crusher plant,		256.17
To transfer to balance,		1,637.56
		<hr/>
		\$139,479.84

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 CR.

By appropriation,	\$94,500.00	
Special appropriations,	20,500.00	
Transfer from unappropriated funds,	24,446.81	
Cash receipts, as per Treasurer's report,	33.03	\$139,479.84



# HIGHWAYS AND STREETS—NEW CRUSHER PLANT.

## DR.

## Pay rolls:

\$454.14

Babbitt, Wood & Co.,	\$506.70	
Bowker & Tripp,	295.59	
George A. Brownell,	1.10	
DeWolf & Vincent,	.33	
W. R. Fleming & Co.,	575.00	
General sewers,	38.93	
Greene & Wood,	938.91	
Jonathan Handy Co.,	117.46	
T. M. Hart & Co.,	2.25	
N. P. Hayes,	32.21	
Highways and streets,	3,762.60	
Hillman, Washburn & Co.,	2.50	
P. P. Jenney & Son,	1.00	
S. C. Lowe,	2.30	
Landers & Vance,	256.17	
N. Y., N. H. & H. Railroad Co.,	17.74	
S. C. Nightingale & Childs,	1,234.70	
Old Colony Steamboat Co.,	2.13	
S. S. Paine & Bro.,	4.72	
Charles S. Paisler,	68.20	
E. H. Pierce,	474.94	
C. G. & G. A. Randall,	323.65	
Smith-Carleton Iron Co.,	12.83	
F. L. Sowle & Co.,	22.74	
Wm. H. Washburn,	19.80	
Wm. R. West,	3.36	
Wood, Brightman & Co.,	1.00	8,718.86
		<u>\$9,173.00</u>

## CR.

By special appropriation,	\$7,000.00	
Transfer from highways and streets,	256.17	
Transfer from unappropriated funds,	1,870.67	
Transfer to balance,	46.16	<u>\$9,173.00</u>

## COGGESHALL STREET BRIDGE—REPAIRS.

## DR.

The King Bridge Co.,	\$2,962.50	
Henry Manley,	50.00	\$3,012.50
January 6, 1896. To balance,		2,987.50
		<u>\$6,000.00</u>

## CR.

By special appropriation,	<u>\$6,000.00</u>
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## CR.

January 6, 1896. By balance,	<u>\$2,987.50</u>
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## DREDGING DOCKS.

## DR.

Columbia Dredging Co.,	\$2,077.00	
N. B. Tow Boat Co.,	5.00	
To transfer to balance,	318.00	
January 6, 1896. To balance,	100.00	\$2,500.00

## CR.

By special appropriation,	<u>\$2,500.00</u>
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## CR.

January 6, 1896. By balance,	<u>\$100.00</u>
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ENGINE AND BOILER HOUSE—CITY STABLE.

DR.

Landers &amp; Vance,

\$1,500.00

CR.

By special appropriation,

\$1,500.00

## LAND DAMAGES WIDENING BROCK AVENUE.

DR.

Elizabeth Billington.

\$300.00

Auclaire Desjardins,

203.70

Thomas Donaghy, Jr.,

742.50

Elizabeth Grant,

300.00

John Green,

2,618.87

Gilbert N. Hall,

287.60

\$4,452.67

CR.

By special appropriation,

\$1,452.67

## LAND DAMAGES WIDENING FOURTH STREET.

## DR.

Emeline H. Brownell, et. als.,	\$2,050.50	
T. Frank Brownell, et. als.,	2,664.40	
Nancy C. Cook, et. als.,	4,136.20	
Ransom C. Taylor,	9,432.00	\$18,283.10
January 6, 1896. To balance,		4,500.00
		<u>\$22,783.10</u>

## CR.

By special appropriation, \$22,783.10

## CR.

January 6, 1896. By balance, \$4,500.00

## LAND DAMAGES WIDENING UNION STREET.

## CR.

By special appropriation, \$22,465.00

## INCIDENTALS.

## DR.

## Advertising:

E. Anthony & Sons, Inc.,	\$403.56	
Boston Daily Advertiser,	86.75	
Catholic Union Pub. Co.,	187.64	
Evening Journal Co.,	260.71	
Mercury Publishing Co.,	262.41	\$1,201.07

## Armories and military property:

F. T. Akin & Co.,	6.74	
George F. Bartlett,	80.00	
Charles O. Brightman,	103.15	
George F. Cornell,	15.00	
John W. Footman,	2.25	
T. J. Gifford & Co.,	23.05	
F. B. Greene, agent,	766.50	
M. A. Hickey,	5.99	
E. R. Lewis,	800.00	
S. C. Lowe,	7.45	
N. B. Gas & Edison Light Co.,	18.56	
Peirce Furnishing Co.,	25.10	
Albert R. Pierce,	4.75	
Wm. R. West,	16.71	
Wood, Brightman & Co.,	21.81	1,897.06

## Assessors:

W. J. Abrams,	443.25
Clifford Baylies,	17.50
George E. Briggs,	16.26
Albion T. Brownell,	3.75
Charles H. C. Brownell,	1.50
G. W. Brownell,	13.75
H. J. Brownell,	371.43
Thomas Burgess,	242.50
A. B. Chappell,	339.70
Lottie W. Gammons,	7.90
H. A. Gifford, Jr.,	77.83
J. E. Landers,	265.30
M. T. Mills,	131.50
George W. Parker,	35.25
Frank Paul,	331.00
Grace B. Russell,	14.25

Henry C. Russell,	668.25	
Wm. A. Russell,	178.75	
Irving G. Stanton,	240.75	
R. R. Topham,	1,044.00	
C. A. Tuell,	553.75	4,998.17

## Birth, marriage and death returns :

Isabella Arnold,	.50	
Dr. D. S. Belanger,	1.75	
R. G. Bennett,	12.50	
Dr. R. L. Carter,	3.25	
Dr. L. A. Chubbuck,	.25	
Mary Cooper,	3.50	
Louisa A. Ellis,	1.50	
Mary Flitcroth,	6.00	
Dr. J. E. Fortin,	3.75	
Sarah Hope,	11.50	
Dr. B. C. Howland,	2.00	
Dr. C. R. Hunt,	6.00	
Esther M. Jameson,	4.75	
J. B. Jean,	34.50	
A. P. Lagasse,	13.25	
D. B. Leonard,	294.00	
Dr. C. F. Lussier,	25.75	
T. J. Murphy,	17.00	
Dr. L. Z. Normandin,	57.50	
Dr. C. A. B. Peterson,	8.00	
Dr. A. M. Pierce,	10.50	
Dr. J. C. Pothier,	7.50	
John F. Rogers,	14.00	
Dr. J. C. Shaw,	5.00	
Dr. J. P. St. Germain,	8.00	
J. D. Sullivan,	44.50	
Dr. J. F. Sullivan,	6.00	
Dr. Wm. N. Swift,	3.25	
Dr. J. V. Thuot,	10.50	
Dr. E. T. Tucker,	11.00	
W. C. Vaughan, Jr.,	53.75	
Dr. E. E. Waite,	4.00	
Dr. A. P. Webber,	10.75	
Joseph S. Williams,	41.25	
E. T. Wilson,	39.50	776.75

## Damages, legal expenses, etc. :

E. Anthony & Sons, Inc.,	85.00
E. L. Barney,	72.50



Simeon Borden,	48.25	
City Treasurer,	56.05	
Carlos D. Finni,	10.00	
James & Sarah Gatenby,	60.00	
L. LeB. Holmes,	1,000.00	
P. H. King,	60.00	
H. M. Knowlton,	250.00	
Long & Hemenway,	106.87	
Mercury Publishing Co.,	63.25	
Joseph F. Perry,	25.00	
W. R. Spooner,	2.55	
Elliott D. Stetson,	137.14	
T. M. Stetson,	250.00	
R. R. Topham,	2.10	
Dr. A. P. Webber,	30.00	2,258.71

## Elections 1894:

H. S. Hutchinson & Co.,	2.50	
Kirby & Hicks,	4.00	
C. H. Murphy,	3.00	
S. F. Perry & Son,	6.00	15.50

## Fourth of July:

F. T. Akin & Co.,	25.00
E. Anthony & Sons, Inc.,	163.13
Braddock Address,	5.50
Isaac L. Ashlev,	22.00
Jason L. Ballou,	46.16
John H. Barrows,	19.25
Bay State Chair Co.,	10.00
Bent & Bush,	44.50
Standish Bourne,	7.00
Briggs & Lawrence,	20.00
Charles O. Brightman,	39.35
Albion T. Brownell,	5.70
Ralph T. Callowhill,	75.00
F. B. Carr,	5.00
A. R. Caswell,	4.00
E. B. Cathcart,	5.00
E. T. Chapman & Son,	10.00
Robert Cooke,	4.00
C. R. Cornell,	8.00
T. S. Corson,	16.00
Crescent Cycle Club,	20.00
C. S. & B. Cummings,	6.50
C. F. Cushing,	1.75

Charles W. Daily,	83.00
Z. B. Davis,	20.94
Davis & Hatch Spice Co.,	10.00
George Delano's Sons,	11.43
Denison Bros. Co.,	12.00
O. S. Driskell,	3.00
David Duff & Son,	24.75
Evening Journal Co.,	100.07
Fire King Engine Co.,	75.00
George S. Fox,	31.82
French American Band,	100.00
E. C. Gardiner,	11.00
G Co. Naval Reserves,	92.80
C. A. Galligan,	25.00
Edgar H. Gammons,	10.00
W. W. Guthrie,	3.00
Haskell & Tripp,	25.00
Hill's N. B. Band,	200.00
George H. Howland,	50.00
G. W. E. Hayden,	80.00
D. Hutchings,	5.00
Industrial Co-op. Store,	5.00
James A. Jay,	3.00
Herman Kehn & Son,	20.00
James D. T. Kent,	3.00
C. W. Knight,	10.42
A. R. Maxfield,	3.00
Mortimer McCarthy,	11.00
Mercury Publishing Co.,	108.40
W. J. Mills,	3.00
Moynan & Co.,	60.00
C. H. Murphy,	6.40
Musical Exchange Band,	200.00
N. B. Printing Co.,	2.75
N. B. Veteran Firemen's Assoc'n,	200.00
Pawtucket Veteran Assoc'n,	150.00
Edward M. Peirce,	50.40
H. S. Peirce,	20.00
S. F. Perry & Son,	34.50
F. O. Pollock,	3.00
G. L. Rau,	6.00
Reiter's National Band,	200.00
E. G. Reynolds,	36.00
Wm. Reynolds,	1.00
Wm. D. Richards,	6.25

E. S. Robenolt,	3.00	
Sanders & Barrows Clothing Co.,	4.00	
George W. Simmons & Co.,	151.50	
Allen Smith, Jr.,	23.00	
P. R. Smith,	5.00	
S. of V. Drum Corps,	40.00	
F. L. Sowle & Co.,	25.00	
Nat P. Sowle,	5.00	
C. F. Spooner,	5.00	
Joseph W. Spooner,	10.00	
D. J. Sullivan,	40.00	
John B. Sullivan,	100.00	
Robert W. Taber,	5.00	
J. Arthur Taylor,	8.83	
Theo. Taylor,	3.00	
J. I. da Terra,	5.00	
J. T. Tobey,	.75	
Wm. B. Topham,	6.75	
Union Veteran Legion,	24.00	
B. H. Waite & Co.,	3.00	
Wamsutta Stables,	41.50	
James H. Warfield,	3.00	
John Watson,	3.00	
R. H. Willis,	5.00	
Charles F. Wing,	40.00	
H. B. Wood,	16.35	
E. E. Wright,	400.00	
Y. M. C. A. Bicycle Club	10.00	
E. J. A. Zeiner,	3.00	
Leopold Bartel,	40.00	
H. F. Norton,	10.00	3,719.45
Janitors :		
S. S. Broadbent,	52.00	
R. Litchfield,	12.50	
D. J. McAuliffe,	686.00	
D. M. Piper,	676.00	1,426.50
Labor and cleaning :		
W. H. T. Blair,	.75	
Henry T. Phillips,	12.00	
C. B. Piper,	52.00	
A. D. Piper,	54.00	
D. M. Piper,	7.00	125.75
Layout of Elm street,		
Margaret I. Cooper,		500.00

## Layout of Mill street :

Etta T. Chace,	400.00	
Alex. Ewing,	1,800.00	
Mary A. Osgood,	700.00	
Eunice Pittsley,	700.00	
Mary E. Shaw,	400.00	
Matthew J. Swazey,	1,800.00	5,800.00

## Layout of Thompson street :

George F. Bartlett,	1.00	
Wm. S. Cook,	2.30	
Ephraim C. Ellis,	165.15	
Mary A. Gifford,	25.00	
R. R. Topham,	.50	193.95

## Lights and fuel :

F. T. Akin & Co.,	569.64	
Merton B. Ashley,	33.60	
Corson Coal Co.,	7.50	
T. S. Corson,	53.60	
A. W. Holmes,	106.75	
N. B. Gas & Edison Light Co.,	2,406.70	3,177.79

## Memorial Day :

E. E. Baudoin,	7.50	
Albion T. Brownell,	5.00	
A. R. Caswell,	20.00	
Evening Journal Co.,	6.34	
E. C. Gardiner,	8.00	
John A. Gomley,	10.00	
J. T. Jones, agent,	143.00	
M. F. Kane,	13.00	
P. H. King,	8.00	
Kirby & Hicks,	13.00	
Mercury Publishing Co.,	10.05	
N. B. Band,	88.00	
Orpheus Quartette,	32.00	
J. Henry Peirce,	20.00	
Joseph F. Perry,	10.00	
Alex. O. Pierce,	35.94	
Wm. H. Sherman,	8.00	
Sherman & Habicht,	22.50	
Geo. W. Simmons & Co.,	84.67	
Union Street Railway Co.,	30.00	575.00

## Rifle Range :

Henry T. Ashley,	117.00
George F. Bartlett, Trustee,	1,800.00

N. P. Hayes,	2.41	
Highways and streets,	500.02	
P. P. Jenney & Son,	.75	
Nye & Hadley,	2.07	
C. S. Paisler,	289.75	
S. F. Perry & Son,	25.00	
E. H. Pierce,	1.32	
Abner P. Pope,	385.73	
C. G. & G. A. Randall,	102.00	
George H. Spooner & Bro.,	7.25	
Joseph W. Spooner,	174.59	
Wood, Brightman & Co.,	15.68	3,423.57

## Miscellaneous :

Abbott Machine Co., check punch,	24.00
F. J. J. Abrams, delivering tax bills,	18.00
W. J. Abrams, delivering tax bills,	18.00
F. T. Akin & Co., painting boxes,	4.66
Almy & Hitch, fitting awnings,	5.05
Estate James T. Almy, electrotypes,	6.60
Charles E. Anthony, delivering tax bills,	27.00
E. Anthony & Sons, Inc., subscriptions,	30.00
Dr. D. C. Ashley, inspection of slaughtering,	31.00
Ballard & Kirshbaum, telephone index,	4.00
Jason L. Ballou, labor on shelf,	.53
J. V. Bancroft, sprinkling,	86.00
Bates Mfg. Co., stamp supply,	.50
Clifford Baylies, repairing clocks,	2.25
Bliss & Nye, dusters, brushes, mops and mats,	33.33
Board of Assessors, tax bills,	75.00
Boston Daily Advertiser, subscription,	6.00
Standish Bourne, rent of safe,	28.00
George E. Briggs, office expenses,	5.80
Zenas M. Briggs, postal guide,	2.00
Briggs & Lawrence, use of furniture,	13.22
Charles O. Brightman, vault cases,	187.64
Charles O. Brightman, fitting band stand,	4.85
F. S. Brightman, subscriptions,	18.00
F. S. Brightman, toilet paper,	4.25
Bristol County, board of truants,	1,159.23
Albion T. Brownell, expenses of guests,	11.00
H. J. Brownell, delivering tax bills,	35.50
T. S. Buck, rubber stamps,	15.27
Thomas Burgess, delivering tax bills,	21.00
Cora E. Burbank, transcripts,	84.25

W. A. Carrie & Co., coin rolls,	.37
A. R. Caswell, horse hire,	1.50
Emma D. Caswell, stenographer,	37.70
Church & Hammond, soap and sponges,	2.50
City Auditor, office expenses,	8.25
City Clerk, office expenses,	96.50
City Treasurer, office expenses,	598.33
John Coggeshall, labor on ward lines,	87.50
Coggeshall, Maxfield & Co.,	8.00
Caroline D. Collins, washing towels,	.60
C. R. Cornell, hack hire,	2.00
T. S. Corson, moving safe,	1.00
C. S. & B. Cummings, matches and soap,	7.54
Cemetery funds, cemetery care,	1,322.26
Harry C. Davis, delivering tax bills,	28.50
Alfred Denault, sewer tax,	20.00
DeWolf & Vincent, wire gauge,	3.75
F. M. Douglass, soap,	.60
A. B. Drake, city forester,	39.17
David Duff & Son, teaming,	36.75
W. T. Emery, burners and shades,	13.25
Evening Journal, subscriptions,	10.00
Everts & Richards, atlas,	105.00
E. C. Gardiner, hack hire,	8.00
C. A. Gray, teaming and freight,	1.25
H. C. Gray, delivering tax bills,	20.00
W. A. Greenough & Co., directories,	18.00
Pardon B. Gifford, rent of boat,	26.00
Hatch & Co., express,	40.66
James H. Hathaway, return of fee,	42.48
N. P. Hayes, hardware,	2.71
Highways and streets trimming trees,	444.27
Hobbs & Co., check books,	33.50
Lysander W. Howland, boxes,	2.50
Thomas W. Howland, deputy constable,	780.00
H. S. Hutchinson & Co.,	.45
India Alkali Works, soap,	9.36
Elmer A. Jenkins, delivering tax bills,	21.00
H. H. Johnson & Co., soap,	1.50
Thomas Kelley, assistant harbor master,	10.50
David Kempton estate, rent,	75.00
E. V. Kendall, copying,	3.38
James H. Kuealy, delivering tax bills,	21.00
Kirby & Hicks, hack and carriage hire,	68.25
Monroe R. Lane, teaming,	1.75



C. F. Lawton, city forester,	94.17
Library Bureau, supplies,	140.87
George W. Long, delivering tax bills,	48.00
Wm. Lowe, cemetery care,	20.00
S. G. Mandell, fitting locks,	7.00
George F. Maxfield, box,	4.00
James McFarlin, teaming,	5.00
Daniel Meehan, delivering tax bills,	18.00
Merchants National Bank, rent,	295.25
Mercury Publishing Co., subscriptions,	30.00
Fred A. Mickell, delivering tax bills,	12.50
Samuel E. Miller, law books,	3.50
Morgan, Crossman & Co., stamps,	9.72
National Bank of Commonwealth, commission,	5.00
N. B. Gas & Edison Light Co., rent of stove,	2.00
N. B. Ice Co., ice,	131.38
N. B. Safe Deposit & Trust Co., rent,	25.00
N. B. Tow Boat Co., towing,	8.00
N. B. Water Works, paper weights,	4.50
N. Y., N. H. & Hartford Railroad Co., freight,	.59
“ “ “ mileage books,	60.00
“ “ “ sewer rent,	200.00
North Congregational Church, rent,	60.00
H. F. Norton, decorating,	6.00
James H. Nuttall, soap,	1.50
Odd Fellows' Building Association, rent,	150.00
Edmund O'Keefe, office expenses,	96.00
Padelford & Besse, counter and rail,	88.50
David L. Parker, committee expenses,	104.10
George W. Parker, taking acknowledgments,	15.50
Warren W. Parker, boxes,	25.00
Frank H. Peckham, teaming,	8.50
Edward M. Peirce, hack hire,	55.50
E. F. Penney, fitting up stove,	3.00
S. F. Perry & Son, hack hire,	35.00
C. E. Phillips, cemetery care,	3.00
E. H. Pierce, oil,	.35
C. B. Piper, delivering tax bills,	27.50
D. M. Piper, messenger to Common Council,	33.75
E. G. Reynolds, hack hire,	9.50
George D. Richards, dusters,	17.01
Wm. D. Richards, hack hire,	2.00
George B. Richmond, copying deeds,	16.80
John A. Ruggles, office expenses,	2.00
Grace B. Russell, services,	10.00

Henry C. Russell, delivering tax bills,	24.00	
Frank E. Sawin, services,	3.00	
Mortimer Searles, stamps and pads,	2.50	
J. R. Serpa, services,	2.50	
James J. Shannon & Co., fitting typewriter,	4.00	
E. H. Shaw & Co., fly traps,	.30	
Sherman & Habicht, circulars,	3.15	
C. R. Sherman & Son, thermometer,	1.20	
E. T. Sherman, collecting births,	99.50	
Ruth S. Sherman, clerk,	750.00	
Wm. H. Sherman, hack hire,	17.25	
F. R. Slocum, use of furniture,	3.50	
Wm. Slocum estate, board overpaid,	17.00	
So. Mass. Telephone Co., telephones and tolls,	828.33	
F. L. Sowle & Co., hardware,	.85	
A. C. Spooner, delivering tax bills,	18.00	
James E. Stanton, railroad fares,	8.96	
Eliot D. Stetson, telephone service,	12.00	
Manuel Sylvia, teaming,	2.25	
Henry Smith, traveling expenses,	31.73	
R. W. Taber, remodeling typewriter,	30.75	
Taylor & Sawtelle, cuspadores,	12.61	
H. J. Taylor & Son, tumblers,	1.38	
J. Arthur Taylor, committee expenses,	11.40	
Wm. B. Topham, services,	297.25	
Union Street Railway Co., car tickets,	25.00	
Louis A. Vierick, delivering tax bills,	15.00	
Wamsutta Stables, hack and carriage hire,	58.50	
Mary L. Webster, stenographer,	7.15	
Florence T. Weeden, making flag,	32.45	
Florence T. Weeden, clerk,	386.00	
Henry F. West, rent of boat,	15.00	
W. U. Telegraph, sounder service,	42.00	
E. B. Whiting & Co., towels,	6.00	
Wilcox & Richmond Wharf Co., rent,	100.00	
Charles F. Wing, furniture,	65.00	
C. E. Woodworth, repairs on City Clock,	8.75	
Yale & Towne Mfg. Co., cleaning clock,	15.00	10,878.81
		<hr/> \$40,968.08
To transfer to balance,		1,030.59
		<hr/> \$41,998.67

## CR.

January 7, 1895. By balance,		\$516.67	
Appropriation,		26,600.00	
Special appropriations,		9,800.00	
Transfers from unappropriated funds,		5,075.00	
Cash receipts, as per Treasurer's report,	7.00		\$41,998.67

## KEMPTON STREET SCHOOLHOUSE AND LOT.

## DR.

Fuller & Warren, Warming and Ventilating Co.,	\$390.68		
January 6, 1896. To balance,	300.00		\$690.68

## CR.

January 7, 1895. By balance,		\$690.68
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## CR.

January 6, 1896. By balance,	\$300.00
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## LICENSE COMMISSION.

E. Anthony & Sons, Inc., printing and advertising,	102.31	
Briggs & Lawrence, furniture,	5.75	
Driscoll, Church & Hall, typewriter,	60.00	
Wm. M. Emery, clerk,	25.00	
Wm. M. Emery, office expenses,	1.35	
Evening Journal Co., advertising,	31.67	
W. A. Greenough & Co., directory,	2.00	
G. N. Hall, office expenses,	35.25	
L. LeB. Holmes, legal services,	10.00	
H. S. Hutchinson & Co., stationery,	2.56	
I. B. Maxfield, clerk,	189.80	
Mercury Publishing Co., advertising,	43.42	
S. F. Perry & Son, carriage hire,	30.50	
Wamsutta Stables, carriage hire,	4.75	
Charles F. Wing, office fittings,	11.65	\$556.01
To transfer to balance,		343.99
		<hr/>
		\$900.00

CR.

By appropriation,	<hr/>	<hr/>	\$900.00
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## LIGHTING THE STREETS.

## DR.

Globe Gas Lighting Co.,	\$13,126.77	\$13,126.77
N. B. Gas & Edison Light Co.:		
Arc lights,	20,855.59	
Gas lights,	9,656.36	
Incandescent lights,	582.94	31,094.89
Sundries:		
Acushnet Iron Co.,	152.00	
Evening Journal Co.,	4.75	
Globe Gas Lighting Co.,	82.75	
F. A. Kempton estate,	25.00	
N. B. Gas & Edison Light Co.,	157.60	
E. G. Reynolds,	3.00	425.10
		<hr/>
		\$44,646.76
To transfer to balance,		653.24
		<hr/>
		\$45,300.00

## CR.

By appropriation,	\$37,800.00	
Transfer from unappropriated funds,	7,500.00	\$45,300.00

## NEW BEDFORD AND FAIRHAVEN BRIDGE.

## DR.

Pay rolls :		\$1,183.45
Repairs, etc. :		
E. Anthony & Sons, Inc.,	\$1.00	
Lot B. Bates,	7.44	
George S. Bowen & Co.,	4.68	
Abram Chace & Co.,	1,128.52	
James D. Driggs,	34.32	
David Duff & Son,	10.50	
Evening Journal Co.,	1.50	
Highways and streets,	55.75	
Johnson & Howland,	18.00	
Mercury Publishing Co.,	1.50	
N. B. Water Works,	7.12	
W. F. Sturtevant & Co.,	11.36	
Wood, Brightman & Co.,	3.47	1,285.16
		<hr/>
		\$2,468.61
To transfer to balance,		1,131.39
		<hr/>
		\$3,600.00
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## CR.

By appropriation,	<hr/>	\$3,600.00
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## NEW BEDFORD SCHOOL COMMITTEE.

## “HOWLAND FUND.”

## DR.

Asa L. H. Allen,	\$7.50
Estate James T. Almy,	5.00
Alpha Publishing Co.,	.80
American Book Co.,	58.43
C. W. Bardeen,	1.51
Bliss & Nye,	.25
Boston School Supply Co.,	101.02
Briggs & Lawrence,	.80
P. P. Caproni & Co.,	11.00
T. H. Castor & Co.,	7.87
Century Co.,	25.00
W. H. Collins & Co.,	44.97
Miss E. N. Crowell,	17.95
Denison Mfg. Co.,	29.40
Dodd, Mead & Co.,	99.00
Educational Pub. Co.,	70.15
Eimer & Amend,	46.72
Elizabeth L. Gibbs,	4.65
Ginn & Co.,	550.83
C. A. Gray,	2.58
J. L. Hammett,	34.00
Harper Bros.,	8.33
Hatch & Co.,	4.35
W. E. Hatch,	10.50
John C. Haynes,	13.50
D. C. Heath & Co.,	79.30
Hillman, Washburn & Co.,	2.12
Holden Patent Book Co.,	117.76
Houghton, Mifflin & Co.,	128.41
H. S. Hutchinson & Co.,	62.45
W. A. Jennings,	5.75
Harry C. Jones,	2.00
E. L. Kellogg & Co.,	2.34
C. A. Kochler & Co.,	16.85
Leach, Shewell, & Sanborn,	28.22
Lee & Shepard,	12.07
Library Bureau,	1.50
Longman, Green & Co.,	7.07

Macmillan & Co.,	3.97	
Mass. Society for Prevention of Cruelty to Children,	1.00	
Perry Mason & Co.,	157.80	
Maynard, Merrill & Co.,	27.00	
Emma A. McAfee,	1.34	
T. H. McAllister,	11.60	
Mercury Publishing Co.,	.97	
C. A. Nichols & Co.,	30.00	
James H. Nuttall,	2.00	
George Peirce,	418.00	
Frank B. Perry,	15.00	
George S. Perry & Co.,	91.68	
John E. Potter & Co.,	10.84	
Prang Educational Co.,	.93	
G. P. Putnam's Sons,	1.85	
E. S. Ritchie & Sons,	19.10	
Russell Publishing Co.,	3.60	
C. E. Scribner's Sons,	26.73	
C. R. Sherman & Son,	2.50	
Silver, Burdett & Co.,	62.57	
Smith-Carleton Iron Co.,	16.85	
N. A. Stanley,	.50	
Taber Art Co.,	16.40	
R. W. Taber,	164.40	
University Publishing Co.,	32.29	
Wm. Ware & Co.,	7.50	
Western Publishing Co.,	35.00	\$2,783.37
January 6, 1896. To balance,		1,733.63
		<u>\$4,517.00</u>

## CR.

January 7, 1895. By balance,	\$1,517.00	
Cash receipts, as per Treasurer's report,	3,000.00	\$4,517.00

## CR.

January 6, 1896. By balance,	<u>\$1,733.63</u>
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## NEW BEDFORD SCHOOL COMMITTEE.

## JONATHAN BOURNE PRIZE FUND.

## DR.

W. E. Hatch,	\$60.00	
January 6, 1896. To balance,	30.00	\$90.00

## CR.

January 7, 1895. By balance,	\$30.00	
Cash receipts, as per Treasurer's report,	60.00	\$90.00

## CR.

January 6, 1896. By balance,		\$30.00
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## NEW BEDFORD WATER WORKS.

## DR.

To expenditures as per drafts of the New Bedford		
Water Board,	\$124,315.56	
January 6, 1896. To balance,	38,383.02	\$162,698.58

## CR.

January 7, 1895. By balance,	\$57,963.88	
Appropriation,	10,000.00	
Transfer from unappropriated funds,	2,000.00	
Cash receipts, as per Treasurer's report,	92,734.70	\$162,698.58

## CR.

January 6, 1896. By balance,		\$38,383.02
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## NEW BEDFORD WATER WORKS.

## FURTHER WATER SUPPLY.

## DR.

To expenditures as per drafts of the New Bedford

Water Board, \$100,342.93

January 6, 1896. To balance, 1,119,280.02 \$1,219,622.95

## CR.

January 7, 1895. By balance, \$1,218,147.95

Cash receipts, as per Treasurer's report, 1,475.00 \$1,219,622.95

## CR.

January 6, 1896. By balance, \$1,119,280.02

## PARK COMMISSION.

DR.

Pay rolls,	\$4,137.54
Supplies, etc.:	
Acushnet Iron Co.,	\$5.49
F. T. Akin & Co.,	18.46
A. W. Allen,	18.45
E. Anthony & Sons, Inc.,	27.00
Henry Bartlett,	2.00
Rodolphus Beetle,	150.00
Berlin Mills Co.,	143.34
Peter Black,	121.17
Bowker & Tripp,	2.38
Brightman Bros.,	6.60
C. O. Brightman,	129.46
F. S. Brightman,	16.25
C. H. Brownell & Sons,	329.10
Cemeteries,	9.00
Abram Chace & Co.,	506.08
James F. Chipman,	3.20
W. A. Conklin,	25.00
Wm. S. Cook,	1.50
T. S. Corson,	3.00
C. S. & B. Cummings,	.70
Denison Bros. Co.,	54.00
DeWolf & Vincent,	10.49
W. & B. Douglass,	30.00
A. B. Drake,	5.38
David Duff & Son,	12.94
Evening Journal Co.,	3.73
E. H. Forbes,	10.00
Gardner & Southwick,	1.12
General Sewers,	254.31
C. A. Gray,	18.25
George D. Green,	17.94
Greene & Wood,	88.63
T. M. Hart & Co.,	18.31
Hatch & Co.,	.25
George E. Hatch,	19.35
N. P. Hayes,	19.31
Peter Henderson & Co.,	45.00
J. E. Herman,	266.70

John Hernon,	1.60
M. A. Hickey,	52.92
Highways and streets,	10,195.80
Hillman, Washburn & Co.,	3.90
A. W. Holmes,	11.00
Charles E. Howland,	462.00
H. S. Hutteninson & Co.,	.75
Jenney & Buffington,	28.88
P. P. Jenney & Son,	20.89
Joseph P. Kennedy,	6.33
Kirby & Hicks,	3.00
J. Frank Kirk,	7.25
S. C. Lowe,	6.40
Wm. Lowe,	3.00
Maine Central Railroad,	1.36
John McLeod,	16.19
John J. Meaney,	37.30
Mercury Publishing Co.,	.75
J. L. Mott Iron Works,	160.00
George Nelson.	136.38
N. B. Boiler & Machine Co.,	11.10
N. B. Cordage Co.,	1.44
N. B. Gas & Edison Light Co.,	134.95
N. B. Water Works,	181.68
Newport Nursery Co.,	500.00
N. Y., N. H. & H. Railroad Co.,	63.05
R. E. Nofftz,	2.50
George H. Nye,	11.00
Nye & Hadley,	7.32
Old Colony Steamboat Co.,	1.32
Olmstead, Olmstead & Eliot,	505.12
S. S. Paine & Bro.,	1,214.16
Thomas J. Peed,	1.00
Perkins & Chase,	11.70
Z. W. Peterson,	62.80
C. G. & G. A. Randall,	141.13
Eli W. Reed,	250.00
H. B. Remington,	7.89
George D. Richards,	1.60
So. Mass. Telephone Co.,	.91
F. L. Sowle & Co.,	25.43
H. V. Sowle,	14.50
Suffolk Engraving Co.,	29.06
E. C. Taber,	150.89
Robert W. Taber,	.30



E. & K. C. Taber,	143.54	
Wm. R. West,	11.50	
Wilson & Wordell,	81.95	
Wood, Brightman & Co.,	66.20	\$17,183.63
		<hr/>
		\$21,321.17
To transfer to balance,		147.80
		<hr/>
		\$21,468.97

## CR.

January 7, 1895. By balance,	\$4,821.86	
Appropriation,	4,000.00	
Special appropriation,	10,500.00	
Transfer from unappropriated funds,	2,000.00	
Cash receipts, as per Treasurer's report,	147.11	\$21,468.97

## PERMANENT DEBT.

## DR.

Principal (bonds) paid,	\$111,000.00	
Interest on bonds,	93,794.00	
Interest on trust funds,	6,786.00	
Interest on notes,	5,218.64	
To transfer,	5,584.51	
January 6, 1896. Balance,	595.00	\$222,978.15

## CR.

January 7, 1895. By balance,	\$1,179.60	
Appropriation,	99,745.00	
Cash receipts, as per Treasurer's report,	122,053.55	\$222,978.15

## CR.

January 6, 1896. By balance,	\$595.00
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## PLATTING SYSTEM.

## DR.

Pay rolls,		\$61.97
F. T. Akin & Co.,	\$2.20	
C. O. Brightman,	111.84	
Hatch & Co.,	2.50	
Library Bureau,	68.50	
Nat P. Sowle,	12.37	
Charles F. Wing,	24.00	
Wood, Brightman & Co.,	2.00	223.41
January 6, 1896. To balance,		5,088.90
		<u>\$5,374.28</u>

## CR.

January 7, 1895. By balance,	\$4,974.28	
Appropriation,	200.00	
Transfer from unappropriated funds,	200.00	<u>\$5,374.28</u>

## CR.

January 6, 1896. By balance,	<u>\$5,088.90</u>
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## POLICE DEPARTMENT.

## DR.

## Salaries :

George Douglass, chief,	\$1,631.61	
E. C. Gardiner, chief,	94.76	
Timothy C. Allen, captain,	1,250.00	
James L. Wilbur, captain,	1,250.00	
Lemuel D. Adams, lieutenant,	1,150.00	
Seth E. Bryant, lieutenant,	1,150.00	
Thomas W. Comstock, lieutenant,	1,150.00	
Thomas Fay, lieutenant,	1,150.00	
Arthur H. Jones, lieutenant,	944.46	
Ellery Pierce, lieutenant,	1,150.00	
Thomas J. Taft, lieutenant,	1,150.00	
Jos. B. Wing, lieutenant,	1,149.91	
Franklin L. Hathaway, inspector,	1,150.00	
John C. Parker, inspector,	1,150.00	
Henry N. West, clerk,	780.00	\$16,300.74

## Pay-rolls :

Patrolmen, housekeepers, etc.,	72,866.89	
Special police,	2,344.60	75,211.49

## Carriage and horse hire :

Isaac L. Ashley,	18.00	
A. R. Caswell,	8.00	
Robert Cooke,	3.00	
C. R. Cornell,	4.00	
James A. Jay,	25.05	
Edward M. Peirce,	11.00	
Wm. D. Richards,	16.75	85.80

## Supplies :

E. Anthony & Sons, Inc.,	59.01
George L. Briggs,	10.50
Coggeshall, Maxfield & Co.,	2.60
DeWolf & Vincent,	1.45
Driscoll, Church & Hall,	35.74
Evening Journal Co.,	48.75
D. Evans & Co.,	78.50
D. B. Folger,	38.03
S. A. French,	22.40
Haskell & Tripp,	5.10

C. J. Heller,	8.00	
Hillman, Washburn & Co.,	4.13	
C. W. Lerner & Co.,	34.75	
S. C. Lowe,	3.50	
J. Roland Macy,	1.67	
Mercury Publishing Co.,	.50	
A. W. Mitchell Manf'g Co.,	12.75	
Moynan & Co.,	1.88	
Oak Hall Clothing Co.,	44.94	
John Robbins Manf'g Co.,	12.50	
C. R. Sherman & Son,	2.00	
Geo. W. Simmons & Co.,	27.00	
F. L. Sowle & Co.,	5.75	
J. V. Spare,	2.19	
S. A. Tripp,	1.75	
Wamsutta Mills,	4.50	
E. B. Whiting & Co.,	4.49	
H. A. Winship,	64.75	539.13
Police signal:		
A. A. Akin,	52.55	
Ame & Co.,	18.00	
Dr. D. C. Ashley,	17.15	
Wm. Baylies,	69.01	
Beattie Zinc Works Co.,	40.00	
J. A. & W. Bird & Co.,	70.08	
George L. Brownell,	78.81	
H. E. Chadwick,	22.00	
Wm. Cronin & Co.,	98.22	
Edes Manf'g Co.,	80.00	
Fichtenmeyer & Flynn,	44.53	
Fire Department,	875.00	
N. T. Fuller,	17.75	
E. S. Greely & Co.,	1.20	
H. C. Hathaway,	12.85	
J. Frank Kirk,	112.98	
Clarence Lowell,	161.88	
S. G. Mandell,	2.00	
N. E. Gamewell Co.,	5.00	
N. Y., N. H. & Hartford Railroad Co.,	1.50	
Poor Department,	103.50	
Pulsifer, Jordan & Co.,	113.09	
C. R. Sherman & Son,	1.14	
A. C. Smith,	9.20	
Wilson & Wordell,	4.00	2,011.44

## Miscellaneous :

F. T. Akin & Co., coal,	289.88
Edgar W. Allen, committing,	6.10
Walter Almond, committing,	6.75
E. Anthony & Sons, Inc., advertising and printing,	47.57
James W. Arnett, committing,	5.99
Ballard & Kirschbaum, telephone index,	1.00
Mary Baptiste, cleaning lockup,	6.00
John B. Baylies, looking glass,	1.83
Bliss & Nye, dusters and brushes,	30.12
George L. Briggs, periodicals,	22.40
Briggs & Lawrence, furniture,	32.08
F. S. Brightman, stationery,	55.23
Olive A. Brownell, services,	21.16
Dr. R. L. Carter, services,	20.00
James M. Cox, committing,	6.80
Jeremiah E. Daley, court expenses,	2.50
Z. B. Davis, covering steps,	11.13
R. N. B. Doane, photographs,	20.00
A. H. & J. J. Donaghy, laundry,	90.51
George Douglass, keeper of lockup,	91.63
Evarts & Richards, atlas,	25.00
Evening Journal, advertising,	10.00
Evening Journal Co., advertising,	8.64
Edmond Foley, committing,	6.75
J. N. Gage, carriage robe,	2.00
E. C. Gardiner, keeper of lockup,	7.64
Mrs. Emma K. Gardner, meals for lockup,	241.52
George E. Gendron, committing,	12.05
T. J. Gifford & Co., repairs,	45.00
C. A. Gray, freight and teaming,	3.89
W. A. Greenough & Co., directories,	12.00
T. M. Hart & Co., flag, wire and staples,	3.48
Franklin L. Hathaway, court expenses,	38.20
N. P. Hayes, lead and tacks,	.44
J. G. Hellyer, repairs,	6.30
Highways and streets, cleaning drain,	2.11
Hill's Band, services,	50.00
A. W. Holmes, coal,	283.63
H. S. Hutchinson & Co., stationery,	18.85
F. A. Kempton Est., rent,	31.25
C. H. & H. A. Lawton, medicine,	6.38
Dr. M. H. Leonard, services,	12.00
Maitell & Co., copy book,	3.50

Wm. Maxfield & Co., glass,	.60	
C. L. McBay, committing,	7.93	
James McFarlin, teaming,	5.06	
Mercury Pub. Co., advertising and printing,	20.50	
Mercury Pub. Co., Daily Mercury,	6.00	
Robt. Moynan, committing,	6.19	
N. B. Gas and Edison Light Co., lighting,	929.76	
N. B. Ice Co., ice,	20.90	
Dr. W. J. Nickerson, services,	4.00	
Chas. S. Paisler, lime,	2.25	
John C. Parker, court expenses,	20.45	
E. F. Penney, repairs,	3.45	
Geo. W. Pinkham, committing,	13.61	
A. P. Pope, window screens,	39.93	
Dr. Wm. G. Potter, services,	12.00	
Hiram E. Raymond, committing,	1.00	
John H. Robbins, disinfectant,	2.00	
Wm. E. Roscoe, committing,	8.82	
James L. Sherman, repairs,	2.07	
Geo. W. Simmons & Co., use of equipments,	18.50	
F. R. Slocum, furniture,	8.75	
Hoyland Smith, repairing clubs,	3.10	
So. Mass. Tel. Co., telephones and tolls,	756.26	
Dr. J. P. St. Germain, services,	2.00	
D. J. Sullivan, clock,	4.00	
Timothy Sullivan, committing,	20.53	
Dr. Job Sweet, services,	15.00	
Dr. M. V. Sylvia, services,	6.00	
R. W. Taber, stationery,	2.50	
Viall & Cook, rent,	183.37	
Watson & Fuller, repairing clubs,	25.40	
Thos. H. Wilson, committing,	6.55	
C. F. Wing, carpets, making and laying,	38.98	
James A. Wixon,	13.37	
C. E. Woodworth, repairing clock,	1.50	
Emma Young, meals for lockup,	56.20	3,867.78
		<u>\$98,016.38</u>

## CR.

By appropriation,	\$85,500.00	
Transfer from unappropriated funds,	11,000.00	
Transfer to balance,	1,516.38	<u>\$98,016.38</u>



## POOR DEPARTMENT.

## DR.

## Salaries :

James E. Stanton, secretary,	\$739.75	
A. H. W. Carpenter,	239.75	
Chas. S. Paisler,	147.95	
Dr. C. A. B. Peterson,	100.00	
Dr. E. E. Waite, physician,	1,588.94	
Ella F. Bucklyn, clerk,	690.41	
Augustus A. Wood, assistant,	690.36	
Rev. E. Williams, chaplain,	153.00	
S. P. Coffin, superintendent wood yard,	365.00	
A. A. Chace, superintendent almshouse,	855.00	
Mrs A. A. Chace, matron,	100.00	\$5,670.16

## OUTSIDE RELIEF.

## Groceries :

Adolph Abner,	1.50
Acushnet Co-operative Association,	314.50
F. A. Allen,	4.50
A. G. Alley, Jr.,	40.00
Joseph Andre,	4.50
F. L. Andrews,	37.00
William Armitage,	17.00
Reuben Arsenault,	4.00
Charles S. Ashley,	1.50
D. W. Baker,	15.00
Baker, Small & Ryan,	4.00
J. Barlow & Co.,	62.50
Barstow & Winslow,	13.50
J. W. Bates & Co.,	109.50
Lot B. Bates,	47.50
F. W. Baylies & Co.,	10.00
Cyril Beaudry,	14.50
William H. Bennett,	77.50
F. C. Bliss & Son,	135.00
A. N. Bolles,	48.00
Boston Beef Co.,	526.25
Boston Cash Market,	4.00
J. B. Bradford,	34.50
William L. Bradford,	15.00
J. W. Braley, Jr.,	189.50

Soloman A. Broadway,	1.00
David Bromley,	32.00
C. H. Brownell & Sons,	389.00
E. C. Brownell,	6.00
Thomas Burgess & Son,	88.50
William Burke,	67.50
Central Union Association,	477.50
Chadwick & Co.,	4.00
Wm. H. Chappell,	30.00
C. W. Chase,	27.00
Joseph Chausse,	65.00
Chicago Beef Co.,	12.50
Robert Clark,	213.00
E. N. Cory,	1.50
C. S. & B. Cummings,	117.50
F. A. Dammon,	153.00
Dudley Davenport,	192.50
James Davidson,	4.50
S. Desautels,	18.00
Delisle & Langlois,	6.00
M. D. Vantous,	.97
John Dick,	14.00
M. A. Dugan,	9.00
O. Duquette,	8.00
Charles E. Ellis,	10.50
J. H. Fernandez,	7.95
L. C. Fish,	40.00
D. B. Folger,	174.50
E. M. Fraiser,	93.50
Jona. B. Francis,	150.50
Garant Bros.,	26.50
Henry Gatie,	4.50
D. H. Gauthier,	23.00
Timothy Gautier,	4.50
Gray's Market,	75.00
Lyman B. Gray,	62.00
H. S. Hammond,	101.00
S. Harrison & Son,	1.50
James Haworth,	16.50
George Hill,	39.00
William Hindle,	30.00
Roland Holcomb,	4.00
Beriah G. Howland,	9.00
George Hunter,	142.75
James L. Humphrey, Jr.,	28.00

S. Hurwitz,	10.50
Industrial Co'op Association,	37.50
William M. Jenks,	10.00
William S. Jenney	6.00
Patrick Jordan,	2.00
Joseph Keil,	54.50
King & Rose,	46.50
Joseph Krajhanzl,	10.00
Joseph Lagasse,	85.50
C. W. Lawton,	12.00
Clark Leavitt,	18.00
Moses Lebeau,	10.50
Henry Lenhart,	71.50
George Levi,	4.00
John H. Lowe,	153.45
Wm. T. Luce,	4.00
Wm. T. Luce, Jr.,	52.50
George W. Macomber,	42.00
Thomas B. Martin,	29.50
McDonnell Bros.,	28.50
Manuel B. Mello,	12.50
L. E. Milliken,	75.00
L. E. Milliken & Co.,	11.50
Wm. T. Monerrieff,	3.00
Monte Pio Co-op. Association,	58.00
Thos. J. Murphy,	75.00
John Notter,	60.00
Alfred Nye,	154.00
Wm. Ogden,	1.50
Oliver Bros.,	2.00
Peck & Cole,	28.00
Charles F. Perry,	267.50
Frank Perry,	9.00
Philip Phenix,	31.50
H. L. Plotner,	20.00
E. L. Potter,	158.00
W. F. Potter, assignee (H. L. Plotner),	4.00
W. F. Raymond,	60.00
W. A. Robbins,	20.50
Daniel Robinson,	118.00
David Rose,	25.00
John Schofield,	6.00
Joseph F. Sisson,	45.00
Wm. Simister,	12.00
Caleb Slade,	31.00

E. B. Smith,	9.00	
M. W. Snailham,	6.00	
H. K. Spaulding,	4.50	
A. G. Stanton,	56.50	
M. A. Sullivan,	50.00	
O. R. Taber & Son,	38.00	
Frank Vera,	3.50	
Frank Viëara,	9.00	
Franklin H. Vinal,	55.50	
A. R. Washburn,	38.00	
Fr. Zimmerman,	149.50	7,108.87
Boots, shoes and clothing :		
Moynan & Co.,	5.25	
Sanders & Barrows Clothing Co.,	13.50	
Union Boot & Shoe Co.,	23.35	42.10
Fuel :		
Patrick Conner,	289.00	
A. W. Holmes,	1,281.50	
Charles E. Howland,	200.49	1,770.99
Burials :		
Robert G. Bennett,	10.00	
J. B. Jean,	232.50	
A. P. Lagasse,	50.00	
Moriarty Bros.,	45.00	
Timothy J. Murphy,	38.00	
John F. Rogers,	100.00	
J. D. Sullivan,	48.00	
Weston C. Vaughan, Jr.,	100.00	
Joseph S. Williams,	213.00	
E. T. Wilson,	63.00	899.50
Miscellaneous :		
Asa L. H. Allen, fitting mirror,	.50	
E. Anthony & Sons, advertising and printing,	71.38	
Briggs & Lawrence, furniture and repairing,	37.47	
City Treasurer, cash orders,	1,707.21	
Coggeshall, Maxfield & Co., fitting water-closet,	.50	
DeWolf & Vincent, padlock,	.50	
Evening Journal Co., advertising,	13.14	
W. A. Greenough & Co., directory,	2.00	
Greene & Wood, lumber,	.97	
E. F. Harris, board of James Flanders,	45.42	
H. S. Hutchinson & Co., stationery,	1.50	
P. P. Jenney & Son, sharpening saws,	17.52	

Kirby & Hicks, hacking,	1.00	
C. H. & H. A. Lawton, medicine,	1.50	
S. G. Mandell, keys,	2.00	
Mercury Publishing Co., advertising,	8.50	
New Bedford Steam Carpet Beating Co.,	5.25	
S. F. Perry & Son, hacking,	8.00	
E. F. Penney, fitting faucet,	.50	
Geo. D. Richards, whisks and dusters,	3.25	
A. M. Rodgers, transportation,	25.00	
C. R. Sherman & Son, letter files,	1.80	
So. Mass. Telephone, telephone and tolls,	103.40	
Street Department, carting,	337.50	
B. S. Sturtevant, repairs at wood yard,	10.37	
R. A. Taber, repairing chimney at wood yard,	7.01	
Robt. W. Taber, stationery,	12.92	
E. B. Whiting & Co., furnishings,	3.00	
Charles F. Wing, carpet sweeper,	3.25	
E. E. Wright, medical supplies,	5.10	2,437.46
Paid State and hospitals :		
Commonwealth of Mass.,	754.46	
St. Luke's Hospital,	11.43	
Taunton Lunatic Hospital,	9,371.90	
Westboro Insane Hospital,	396.04	
Worcester Insane Asylum,	199.93	
Worcester Lunatic Hospital,	193.02	10,926.78
Paid cities and towns for supplies and board :		
Boston,	137.50	
Bourne,	27.20	
Cambridge,	10.05	
Dartmouth,	87.23	
Fairhaven,	16.92	
Fall River,	74.15	
Franklin,	9.51	
Harwich,	128.00	
Holyoke,	12.35	
Lawrence,	39.50	
Nantucket,	60.00	
Newton,	6.88	
No. Attleboro,	91.95	
Rochester,	5.50	
Taunton,	13.44	
Wareham,	19.00	
Westfield,	28.59	
Worcester,	8.21	775.98

## ALMSHOUSE.

## Clothing, boots and shoes :

Ashley & Peirce,	28.86	
J. Davis & Co.,	69.45	
P. Devoll & Son,	55.65	
Thomas Donaghy,	55.76	
George E. Faisneau,	113.92	
Haskell & Tripp,	38.33	
Knowles & Co.,	52.07	
Moore & Dick,	36.63	
Moynan & Co.,	24.45	
G. & L. Poisson,	69.05	
Sanders & Barrows Clothing Co.,	26.00	
J. V. Spare,	40.45	
Taber, Reed & Gardner,	19.25	
H. H. Tillson,	11.00	
Union Boot & Shoe Co.,	2.00	
E. B. Whiting & Co.,	2.30	
J. & W. R. Wing & Co.,	31.50	676.67

## Furnishings and supplies :

F. T. Akin & Co.,	300.53	
Bliss & Nye,	22.45	
Chas. M. Borden,	26.69	
Geo. S. Bowen & Co.,	10.00	
Patrick Conner,	25.50	
Wm. Cronin & Co.,	2.50	
C. F. Cushing,	3.00	
Thos. Donaghy,	29.21	
Jona. Handy,	5.26	
N. P. Hayes,	3.70	
A. W. Holmes,	631.25	
Geo. S. Homer,	23.00	
H. S. Hutchinson & Co.,	2.65	
Wm. J. Macy,	4.11	
Geo. D. Richards,	22.30	
H. J. Taylor & Son,	12.38	
S. A. Tripp,	32.35	1,156.88

## Provisions and grain :

Wm. Baylies,	597.31
Chas. W. Borden,	9.00
Chadwick & Co.,	22.25
E. E. Chadwick,	976.37
Childs & Peckham,	61.71
C. S. & B. Cummings,	84.60



Davis & Hatch Spice Co.,	135.66	
Denison Bros. Co.,	473.02	
Driscoll, Church & Hall,	784.69	
J. Roland Macy,	114.20	
N. Y. Biscuit Co.,	19.71	
W. F. Potter & Co.,	500.49	
S. P. Richmond & Co.,	20.93	
Samuel Wing,	18.60	3,818.54

## Miscellaneous :

Almshouse help,	2,759.72	
F. T. Akin & Co., paint,	29.21	
Jesse Allen, repairing harnesses,	10.00	
E. Anthony & Sons, Inc., printing,	16.25	
James E. Blake, medicine,	33.95	
Geo. B. Borden, ice,	31.50	
H. T. Borden, poles,	4.38	
C. T. Bosworth & Co., medicine,	35.93	
Briggs & Lawrence, stair rods and repairs,	12.43	
F. S. Brightman, stationery,	2.50	
Brownell, Ashley, & Co., blacksmithing and repairs,	166.51	
A. A. Chace, insect powder,	19.50	
Chas. H. Church, medicine,	40.12	
Church & Hammond, medicine,	42.48	
D. T. Cornell, shoeing oxen,	7.50	
Pardon Cornell, pigs,	69.00	
Wm. Cronin & Co., repairing harnesses,	17.70	
Davis & Tripp, killing hogs,	10.00	
DeWolf & Vincent, hardware,	25.15	
F. M. Douglas, medicine,	56.17	
Geo. A. Eggers, powder and fuse,	5.00	
M. S. Greene, whitewashing,	118.10	
Greene & Wood, posts,	.80	
Chas. F. Grow, repairing harness,	2.35	
Jona. Handy Co., hardware,	2.47	
T. M. Hart & Co., cordage,	2.72	
N. P. Hayes, hardware,	9.89	
Hillman, Washburn & Co., hardware,	19.08	
H. S. Hutchinson & Co., stationery,	2.39	
Ida Jackson, services,	1.50	
Wm. L. Kelley, cleaning clocks,	8.20	
Kirby & Hicks, hacking,	30.00	
C. H. & H. A. Lawton, medicine,	67.08	
Clarence Lowell, wagon and repairing,	180.65	
E. V. McLeod, extracting teeth,	4.00	

Mercury Pub. Co., subscription,	6.00	
N. B. Gas & Edison Light Co., fitting wires,	.35	
N. B. Street Transportation Co., plank,	3.71	
James H. Nuttall, medicine,	18.81	
Chas. S. Paisler, lime and cement,	11.25	
Police Department, dressing,	42.20	
Fire Department, dressing,	531.62	
Sealer of Weights and Measures,	1.50	
Mrs. Etta Shaw, services,	20.50	
Wm. D. Sherman, sharpening drills,	40.95	
So. Mass. Telephone Co., telephone,	47.00	
Peleg Tripp, use of oxen,	15.00	
Tripp & Gamage, thrashing oats,	25.76	
Wilson & Wordell, seeds and tools,	162.15	
J. A. Wood & Co., barrels and smoking hams,	13.32	
Wood, Brightman & Co., pumps, stoves and repairing,	73.56	4,857.91
-		<u>\$40,141.84</u>

## CR.

By appropriation,	\$37,800.00	
Transfer to balance,	2,341.84	\$40,141.84

## PRINTING, BINDING AND STATIONERY.

## DR.

E. Anthony & Sons, Inc.,	\$2,522.80	
Bates Mfg. Co.,	.95	
F. S. Brightman,	412.18	
W. H. Burbank & Co.,	8.50	
Robert Burlen,	277.03	
Evening Journal Co.,	152.75	
Samuel Hobbs & Co.,	38.00	
H. S. Hutchinson & Co.,	793.20	
D. J. Kane & Bro.,	69.78	
Library Bureau,	7.00	
Lyons Pen Co.,	4.00	
A. E. Martell & Co.	11.50	
Mercury Pub. Co.,	5.16	
N. B. Printing Co.,	9.75	
Mortimer Searles,	1.20	
Sherman & Habicht,	.75	
C. R. Sherman & Son,	4.50	
F. L. Sowle & Co.,	1.00	
Robert W. Taber,	75.46	
J. Arthur Taylor,	8.67	
Wright & Potter Printing Co.,	32.00	\$4,436.18

## CR.

By appropriation,	\$4,300.00	
Transfer to balance,	136.18	\$4,436.18

## PUBLIC SCHOOLS, INCIDENTALS.

## DR.

## Salaries :

William E. Hatch, Supt. and Sec'y,	\$3,000.00	
Emma M. Almy, clerk,	850.00	
Wm. A. Baker, truant officer,	263.69	
Geo. K. Dammon, truant officer,	599.80	
Geo. K. Dammon, messenger,	200.20	
Henry Smith, truant officer,	800.00	
Elizabeth Gibbs,	18.75	\$5,732.44

## Pay rolls :

Janitors,	11,932.38
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## Boots and stationery :

Allyn & Bacon,	8.34	
American Book Co.,	174.72	
Daniel Appleton & Co.,	40.00	
J. G. Bassett,	74.10	
Boston School Supply Co.,	211.50	
T. H. Castor & Co.,	51.57	
W. H. Collins & Co.,	102.03	
Eagle Pencil Co.,	197.90	
Estabrook Steel Pen Co.,	165.00	
Ginn & Co.,	134.58	
S. G. Griggs & Co.,	8.00	
Wm. E. Hatch,	8.50	
Harper Bros.,	2.69	
D. C. Heath & Co.,	100.87	
Henry Holt & Co.,	8.40	
Leach, Shewell & Adams,	72.50	
A. E. Martell & Co.,	3.50	
Maynard, Merrill & Co.,	549.27	
Thompson, Brown & Co.,	128.08	
Wm. Ware & Co.,	340.59	2,382.14

## Repairs of schoolhouses :

F. T. Aiken & Co.,	1.29
P. Black,	10.30
George F. Curry,	120.72
DeMoranville Bros.,	21.15
Loum H. Faunce,	74.63
E. P. Haskins,	5.87
H. K. Haskins,	30.62
M. A. Hickey,	80.81

Jenney & Buffington,	43.76	
Landers & Vance,	72.35	
B. F. Lewis,	6.04	
Henry R. Lindsey,	1.35	
S. G. Mandell,	3.50	
J. L. G. Mason,	128.59	
E. F. Penny,	12.25	
A. P. Pope,	4.73	
C. R. Sherman & Son,	8.00	
R. A. Sherman & Son,	36.82	
F. L. Sowle & Co.,	6.53	
William H. Walker,	91.41	
Joseph C. Warren,	2.80	763.52

## Repairs of heating apparatus :

Acushnet Iron Co.,	1.68	
Babbitt, Wood & Co.,	3.70	
Daniel H. Brownell,	3.17	
J. W. Clifton,	3.80	
George A. Cobb,	13.65	
Fichtenmeyer & Flynn,	1.50	
T. J. Gifford & Co.,	5.10	
George E. Hatch,	213.47	
S. C. Lowe,	97.33	
George F. Maxfield,	8.65	
N. B. Boiler & Machine Co.,	110.34	
A. A. Sanborn,	41.73	
J. H. Sherman,	30.00	
William D. Sherman,	.50	
S. A. Tripp,	418.38	
George H. Underhill & Co.,	748.27	
Nathan Wheaton,	3.87	
D. W. Wilson,	158.01	
Wood, Brightman & Co.,	334.54	2,197.69

## Supplies :

F. T. Aiken & Co.,	4,966.90
Charles R. Allen,	5.20
A. G. Alley, Jr.,	40.29
American Supply Co.,	2.85
E. Anthony & Sons, Inc.	371.60
Robert Arnett, Jr.,	29.95
Mary I. Ashley,	3.00
Merton B. Ashley,	149.97
H. T. Borden,	3.00
C. H. Brownell & Sons,	29.91

E. C. Brownell,	64.99
John Corish,	2.90
Clark's Fish Market,	7.56
Geo. Delano's Sons,	3.30
Driscoll, Church & Hall,	4.25
Eimer & Amend,	61.86
Evarts & Richards,	15.00
Evening Journal Co.,	61.25
Geo. E. Faisneau,	7.49
First Primitive Methodist Church,	5.50
Frost & Adams,	88.09
C. A. Galligan,	22.75
E. H. Gammons,	2.00
Haskell & Tripp,	6.39
Wm. E. Hatch,	5.37
James B. Hazzard,	1.00
N. P. Hayes,	1.15
Thos. Hersom & Co.,	1.38
Hillman, Washburn & Co.,	10.23
Holden Patent Book Cover Co.,	257.31
A. W. Holmes,	1,951.05
H. S. Hutchinson & Co.,	1,739.21
Joseph P. Kennedy,	5.25
Library Bureau,	4.50
S. C. Lowe,	.80
John Notter,	5.00
John N. O'Brien,	33.50
Wm. A. Pease,	7.95
George S. Perry & Co.,	310.74
H. C. Perry,	.80
E. L. Potter,	7.27
Prang Educational Co.,	887.01
Purrington, Brown & Richards,	266.79
George D. Richards,	281.86
George H. Richter & Co.,	18.10
John A. Russell,	6.75
F. L. Sowle & Co.,	12.72
Sullery Bros.	3.00
Sulpho-Naphol Co.,	74.00
Taber Art Co.,	9.50
R. W. Taber,	55.42
E. S. Tallman,	2.05
Thorp & Martin Co.,	7.20
Leroy G. Tripp,	22.53
S. A. Tripp,	17.26



William H. Washburn,	68.84	
E. B. Whiting & Co.,	.84	
C. F. Wing,	21.50	12,053.88
Miscellaneous:		
Adelphi Rink Corp., rent,	42.00	
F. T. Akin & Co., varnish,	2.63	
George N. Alden, insurance,	56.25	
Almy & Hitch, shades and fitting,	65.91	
Est. James T. Almy, numbers and engraving,	2.70	
American Bank Note Co., diplomas,	47.50	
E. Anthony & Sons, Inc., advertising,	39.89	
Isaac L. Ashley, carriage hire,	4.00	
Mary I. Ashley, cleaning,	5.33	
George Bailey, labor,	133.50	
Wm. A. Baker, laundry,	44.45	
Baker, Small & Ryan, soap,	4.10	
John R. Barbour, labor,	14.37	
Stephen G. Barnum, labor,	18.40	
E. E. Baudoin, services,	35.00	
J. D. Blanchard & Co., rent,	20.00	
Bliss & Nye, jugs and jars,	1.55	
Briggs & Lawrence, furniture and repairs,	150.66	
C. O. Brightman, hat rack,	5.82	
Brobrick School Furniture Co., furniture,	750.50	
Manuel Brown, labor,	22.30	
Wm. S. Brown, loan of plants,	3.00	
C. H. Chase, transportation,	10.90	
Phylander Chase, laundry,	13.66	
Cook & Smith, rent,	141.99	
John Corish, soap,	2.33	
Wm. Cronin & Co., repairing belts,	2.55	
W. B. Cross, rent of Opera House,	55.81	
Geo. K. Dammon, laundry,	4.78	
D. H. Demoranville, moving safe,	8.00	
H. G. Dennis, rent,	500.02	
DeWolf & Vincent, hardware,	38.66	
Thomas Donaghy, hose,	38.55	
F. M. Douglas, chemicals,	3.45	
John J. Dunn, labor,	.50	
C. L. Dunham, ash scoop,	1.25	
Geo. A. Eggars, repairing guns,	30.95	
W. T. Emery, lights and shades,	31.20	
Evening Journal Co., advertising and sub- scription,	63.23	

Loum H. Faunce, seating rooms,	28.00
First Primitive Methodist church, rent,	380.00
D. B. Folger, soap,	2.40
E. H. Gammons, cleaning vaults,	12.00
John A. Gomley, teaming,	1.00
Chas. A. Gray, freight and cartage,	50.36
T. M. Hart & Co., repairing flags,	8.66
Haskell & Tripp, ribbon,	18.76
Hatch & Co., express,	45.80
W. E. Hatch, furniture and labor,	29.00
A. B. Hathaway, class motto,	11.00
Geo. B. Hathaway, filling diplomas,	23.00
James T. Heron, laundry,	4.16
Hillman, Washburn & Co., hardware,	35.68
Hardy Hitch, Jr., fitting carpet,	.50
P. P. Jenney & Son, sharpening lawn mowers,	14.31
Wm. A. Jennings, cartage,	164.64
Edwin Jones, soap,	2.06
S. C. Lowe, ash cans,	7.00
Hiram T. Lumbert, laundry,	6.54
J. Roland Macy, matches,	.60
Thomas Mack, moving wires,	3.50
H. M. Maine, beating carpets,	20.36
S. G. Mandell, keys, fitting bells and batteries,	49.25
John Marble, labor,	6.49
Mercury Pub. Co., advertising and subscriptions,	51.51
James McFarlin, moving piano,	5.00
Chas. E. Moore, decorations,	6.70
E. C. Morris Safe Co., safe,	115.00
Moynan & Co., cambric and crash,	8.17
N. B. City Guards, rent,	29.00
N. B. Gas & Edison Light Co.,	981.86
N. B. Ice Co.,	1.10
Geo. Needham, orchestra,	22.00
James H. Nuttall, sponge,	.70
Sarah D. Ottiwell, clerical services,	20.00
Edward M. Peirce, transferring scholars,	667.00
E. F. Penney, ash cans,	8.50
S. F. Perry & Son, carriage hire,	1.50
Henry T. Phillips, repairing furniture,	202.20
E. H. Pierce, hose,	9.15
F. O. Pollock, soap, oil and labor,	102.48
A. P. Pope, blackboards,	90.00
W. F. Raymond, soap,	1.20
E. G. Reynolds, carriage hire,	2.00

Geo. Schwall, repairing furniture,	2.15	
Mortimer Searles, stamps,	3.55	
S. H. Shepherd, car fares,	2.10	
C. R. Sherman & Son, fitting batteries,	7.35	
Wm. H. Sherman, carriage hire,	7.00	
Joseph S. Sisson, rent,	100.00	
Sisson & Ring, shades and fixtures,	77.12	
F. R. Slocum, furniture,	41.50	
A. C. Smith, batteries,	2.25	
So. Mass. Telephone Co., rents,	146.00	
Mrs. P. A. Soule, repairing flags,	1.50	
A. R. Springer, repairing ladder,	.75	
A. G. Stanton, soap,	1.92	
Street Department, trimming trees,	.90	
Josephine B. Stuart, frame and ribbons,	2.55	
D. J. Sullivan, clocks and repairing,	11.75	
Manuel Sylvia, teaming,	6.75	
E. S. Tallman, laundry,	3.99	
Frank B. Wade, services,	280.00	
Francis P. Washburn, making drawers,	13.50	
Wm. R. West, shellac,	3.00	
A. P. White, soap and labor,	20.78	
E. B. Whiting & Co., ribbon,	.70	
S. S. Wilbur, cleaning vaults,	8.83	
C. F. Wing, shades and furniture,	243.04	
James A. Wood, soap, oil and labor,	36.67	6,693.48
		<hr/> \$41,755.53 <hr/>

## CR.

By appropriation,	\$33,300.00	
Special appropriation,	7,000.00	
Cash receipts, as per Treasurer's report,	1.65	
Transfer to balance,	1,453.88	\$41,755.53

## PUBLIC SCHOOLS—PAY OF TEACHERS.

## DR.

## HIGH SCHOOL.

Charles S. Moore,	\$2,736.25
Charles T. Bonney, Jr.,	1,600.00
Warren R. Smith,	1,560.00
Sarah D. Ottiwell,	900.00

Elizabeth P. Briggs,	808.50	
Lydia J. Cranston,	900.00	
Mary E. Austin,	517.50	
Lucretia N. Smith,	900.00	
Emma K. Shaw,	900.00	
Helen L. Hadley,	870.00	
Mabel W. Cleveland,	870.00	
Edmand E. Baudoin,	300.00	\$12,862.25

## GRAMMAR SCHOOLS.

## Fifth Street :

Allen F. Wood,	1,900.00	
Lydia A. Macreading,	607.00	
Emma B. McCullough,	614.00	
Mary E. Allen,	600.00	
Sarah E. Stoddard,	593.00	
Emma A. McAfee,	599.00	
Mary W. Leymunion,	600.00	
Annie C. Hart,	570.00	
Mary A. Kane,	592.00	
Grace L. Carver,	600.00	
Lottie M. Allen,	485.00	7,760.00

## Middle Street :

George H. Tripp,	1,900.00	
Katharine Commerford,	595.00	
Agnes J. Dunlap,	600.00	
Clara S. Vincent,	599.00	
Lucy B. Fish,	590.00	
Etta M. Abbott,	595.00	
Helen Ring,	360.00	
Lucy F. Winchester,	628.00	
Emma A. Gilman,	180.00	
Julia C. Gifford,	519.00	
Helen McCoy,	554.00	
Lizzie E. Omey,	240.00	
Willetta B. Nickerson,	220.00	7,580.00

## Parker Street :

Francis J. Heavens,	665.00	
Nelson Freeman,	1,092.50	
Martha A. Hemenway,	600.00	
Anna L. Jennings,	445.99	
Mary E. Sturtevant,	80.00	
May L. Pettey,	600.00	

Mariana N. Richmond,	600.00	
Elizabeth B. Brightman,	592.50	
Emily A. Delano,	600.00	
Susan H. Lane,	539.00	
Emma D. Larrabee,	600.00	
Regina M. Paul,	570.00	
Angenette Chace,	570.00	
Julia F. Coombs,	630.00	
Lucia E. Bliss,	189.92	
Daisy M. Butts,	240.00	8,614.91
Thompson Street :		
Katharine N. Lapham,	805.00	
Evangeline Hathaway,	381.00	
Mary A. Macy,	597.00	
Daisy M. Butts,	330.00	
Cora B. Cleveland,	568.00	
Lizzie M. Briggs,	471.00	
Lucia E. Bliss,	40.48	
Anna J. Billings,	159.00	3,351.48
Cedar Grove Street :		
Lizzie E. Omev,	356.00	
Alice A. Richardson,	483.00	
Anna J. Billings,	55.00	
Clara M. Woodward,	180.00	1,074.00

## PRIMARY SCHOOLS.

## Acushnet Avenue :

Jane C. Thompson,	748.40	
Hattie L. Finlan,	550.00	
Carrie S. Silva,	550.00	
Caroline O. Pierce,	528.25	
Nellie A. Walker,	550.00	
Elizabeth Bennett,	479.90	
Margaret H. Holmes,	520.00	
Julia M. Pilling,	470.00	
Harriet L. Cornell,	470.00	
Sarah A. Winslow,	550.00	
Sarah E. Kirwin,	220.00	
Lida J. Brightman,	38.50	5,675.05

## I. W. Benjamin :

Jane E. Gilmore,	800.00
Susan M. Tompkins,	284.25

Annie C. O'Connor,	548.63	
Sarah E. Kirwin,	328.40	
Nellie W. Davis,	550.00	
Alice A. Taylor,	550.00	
Mabel Bennett,	507.50	
Eleanor V. Tripp,	513.60	
Dora A. DeWolf,	467.60	
Julia A. Hunt,	423.42	
Emma L. Gartland,	450.10	
Marion H. Swasey,	406.50	
Sophie T. Anthony,	392.00	
Lila D. Haney,	152.00	6,374.00
Cedar Street :		
Annie S. Homer,	644.40	
Abby D. Whitney,	523.60	
Bessie P. Peirce,	550.00	
Willette B. Nickerson,	327.25	
Annie L. Edwards,	550.00	
Mabel L. Hathaway,	513.60	
Ruth M. Tripp,	180.12	3,288.97
Cedar Grove Street :		
Maria B. Clark,	829.37	
Mary J. Eldridge,	25.75	
Flora E. Estes,	503.95	
Annie G. Brawley,	549.20	
Edith K. Weeden,	544.40	
Isabella F. Winslow,	548.40	
Kate Sweet,	550.00	
Elizabeth S. Foster,	165.00	
Ruth E. Pease,	465.35	
A. Gertrude Wheaton,	460.40	
Caroline E. Bonney,	415.98	
Julia W. Corish,	424.60	
Florence A. Chaffin,	148.40	
Fannie M. Clark,	30.00	
Laura C. McCabe,	359.20	
Sara Peckham,	384.00	
Louise M. Newhall,	41.25	
Minnie C. Ritter,	142.50	
Gillian M. Gordon,	160.00	
Ruth M. Tripp,	127.44	
Alice P. Winchester,	275.20	7,150.39



## Cannonville :

Adelaide J. McFarlin,	550.00	
Florence A. Poole,	435.00	985.00

## Dartmouth Street :

Isadore F. Eldridge,	706.87	
M. Eva Schwall,	550.00	
Sara H. Kelley,	309.20	
Grace H. Potter,	485.70	
Annie F. Smith,	534.00	
Edith M. B. Taber,	520.00	
Nellie H. Cook,	513.60	
Sarah E. Slade,	410.00	
Mary C. Barstow,	233.75	
Annie L. Burbank,	110.00	4,373.12

## Thomas A. Greene,

Sarah H. Cranston,	672.50	
Eliza H. Sanford,	550.00	
Sarah E. Sears,	468.75	
Lillie C. Tillinghast,	550.00	
Annie L. Macreading,	538.80	
Grace Covell,	300.00	
Ruth E. Howland,	219.20	
Lila D. Haney,	134.40	
Lida J. Brightman,	181.50	
Julia A. Ellis,	87.50	
Caroline E. Bonney,	31.52	3,734.17

## Sylvia Ann Howland :

Carrie E. Footman,	599.20	
Amelia Lincoln,	549.20	
Mary J. Graham,	542.80	
Helen J. Kirk,	546.00	
Sara L. Tallman,	64.00	2,301.20

## Linden Street :

Elizabeth P. Spooner,	650.25	
Lucy S. Leach,	385.00	
Isabella Luscomb,	550.00	
Carrie L. Chapman,	518.40	
Ruth M. Tripp,	127.44	
Lucia E. Bliss,	120.10	
Annie L. Burbank,	234.00	
Esther Paul,	160.00	2,745.19

## Merrimac Street :

Sarah H. Hewins,	360.00	
Harriet S. Damon,	575.00	
Addie West,	489.75	
Annie I. Dexter,	537.20	
Ella M. Robinson,	55.00	
Anna H. Doolittle,	55.00	
Julia A. Ellis,	220.00	2,291.95

## Maxfield Street :

Mary B. White,	502.00	
Annie E. Pearce,	546.80	
Clara C. M. Gage,	550.00	
Mary E. Pasho,	550.00	
Elizabeth Bennett,	42.00	2,190.80

## Thompson Street :

Lena B. Hamblin,	330.00	
Annie L. Brownell,	550.00	
Angela F. Bowie,	432.50	
Alice J. Lawrence,	220.00	1,532.50

## Harrington Training School :

Josephine B. Stewart,	1,087.50
Anna W. Braley,	1,080.00
Belle Almy,	491.25
Fannie M. Spooner,	466.80
Kate Moore,	451.00
Grace W. Russell,	397.95
Elizabeth D. Hicks,	397.70
Harriet A. Taylor,	371.20
Lucia E. Bliss,	24.00
Lila D. Haney,	15.20
Ruth E. Howland,	16.00
Laura C. McCabe,	16.00
Gillian M. Gordon,	85.40
Charlotte M. Murkland,	51.50
Esther W. Paul,	80.60
Mary L. Rogers,	108.20
Ruth E. Wilde,	85.90
Adaline Gardner,	33.20
Ella W. Keene,	68.80
Carrie W. Bliss,	108.00
Grace Ashley,	41.10

Susan Gifford,	46.80	
Bertha C. Hathaway,	47.40	
Annie L. Murkland,	42.60	
Sylvia W. Paulding,	40.80	5,654.90

## UNGRADED SCHOOLS.

## North Mill :

Emma R. Wentworth,	672.00	
Mary L. Hillman,	435.00	1,107.00

## South Mill :

Lucy J. Remington,	682.00	
Ruby M. Tripp,	477.48	1,159.48

## Acushnet :

Charlotte C. Carr,	672.00	
Belle B. Wheeler,	600.00	
Harriet N. Hyatt,	466.80	1,738.80

## Clark's Point :

Mary E. McAuliffe,	515.58	
Carrie A. Shaw,	30.00	545.58

## North :

Mary I. Ashley,	600.00	
Mary G. Fuller,	388.00	988.00

## Plainville :

Mary E. Haney,	180.00	180.00
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## Rockdale :

Lillian T. Thomas,	453.75	
Alice P. Terry,	65.00	518.75

## SPECIAL TEACHERS.

F. H. Butterfield,	1,660.00	
Mary W. Gilbert,	1,240.00	
Katharine M. Crabtree,	800.00	
Edwin R. King,	1,200.00	
Carrie H. Richmond,	519.13	
Eliza A. Smalley,	424.35	
Gertrude H. Leonard,	525.00	
S. Agnes Donham,	135.00	
Grace Greenwood,	342.00	6,845.48

## EVENINGS SCHOOLS.

## Fifth Street :

George H. Tripp,	132.00	
Grace H. Potter,	24.00	
Nellie H. Cook,	60.00	
Julia C. Gifford,	58.50	
Lizzie M. Briggs,	54.00	
Lillie C. Tillinghast,	60.00	
C. T. Johnson,	60.00	
Ida F. McAfee,	60.00	
Mary J. Graham,	58.50	
Annie L. Burbank,	24.00	
Ruth E. Howland,	58.50	
Marion H. Swasey,	57.00	
Sarah E. Stoddard,	60.00	
Kate Moore,	57.00	
Agnes J. Dunlap,	6.00	
Ruth M. Tripp,	6.00	
Carrie W. Bliss,	1.50	
Elizabeth Bennett,	1.50	
Mary E. Allen,	36.00	
Sara Peckham,	36.00	
Grace L. Carver,	36.00	
Eudora Lawrence,	24.00	970.50

## Merrimac Street :

Mary A. Kane,	120.00	
Harriet L. Cornell,	60.00	
Sarah E. Kirwin,	58.50	
Florence A. Poole,	60.00	
Margaret H. Holmes,	60.00	
Ruth E. Pease,	60.00	
Lila D. Haney,	19.50	
Susan E. R. Butts,	18.00	
Dora A. DeWolf,	36.00	
Lucia E. Bliss,	36.00	528.00

## Parker Street :

Emma R. Wentworth,	120.00	
Mary F. Wilde,	55.50	
Emma D. Larrabee,	60.00	
Regina M. Paul,	45.00	
Julia W. Corish,	55.50	
Sara L. Tallman,	57.00	
Esther W. Paul,	45.00	

Clara M. Woodward,	3.00	
Myra S. Ashley,	3.00	444.00
Cedar Grove Street:		
Francis J. Heavens,	48.00	
Nelson Freeman,	84.00	
Helen McCoy,	60.00	
Annie G. Brawley,	60.00	
Nannie P. Slocum,	60.00	
Myra S. Ashley,	24.00	
Lillie McAfee,	60.00	
Mary R. Hinckley,	60.00	
Dora A. DeWolf,	22.50	
Flora E. Estes,	24.00	
Lucia E. Bliss,	22.50	
Ruth E. Wilde,	24.00	
Jennie Gardner,	60.00	
Mary E. McAuliffe,	57.00	
Abby R. Johnson,	60.00	
Sara Peckham,	24.00	
Anna I. Hathaway,	9.00	
Jennie A. Murphy,	12.00	
E. Laycock,	12.00	
A. Gertrude Wheaton,	27.00	
Isabella F. Winslow,	36.00	
Susan E. R. Butts,	36.00	
Carrie E. Footman,	36.00	
Sarah E. Slade,	36.00	
Laura C. McCabe,	36.00	
Ruth M. Tripp,	36.00	
Grace B. Ashley,	33.00	1,059.00
Thompson Street:		
Joseph P. Kennedy,	132.00	
Janet Hunter,	51.00	
Kate K. Whelden,	60.00	
Caroline E. Bonney,	36.00	
Helen Ring,	22.50	
Belle Almy,	52.50	
Emma L. Gartland,	60.00	
Fannie M. Spooner,	24.00	
Clara M. Woodward,	30.00	
Sophie T. Anthony,	22.50	
Eloise A. Hafford,	30.00	
Mary L. Rogers,	55.50	
Agnes J. Dunlap,	1.50	
Cecelia Deane,	30.00	

Carrie E. Footman,	6.00	
Mary V. Perry,	30.00	
Annie L. Macreading,	21.00	
Annie F. Smith,	36.00	
Annie L. Brownell,	36.00	736.50

## Drawing :

George H. Nye,	175.50	
George A. Stetson,	10.50	
Katharine M. Crabtree,	117.00	
Oliver H. Gardner,	117.00	
Norman M. Paul,	57.50	477.50

## SUBSTITUTES.

Grace B. Ashley,	7.00	
Carrie W. Bliss,	7.80	
Mary C. Barstow,	68.75	
Adaline E. Gardner,	13.00	
Gillian M. Gordon,	26.80	
Susan Gifford,	1.60	
Mary R. Hinckley,	101.00	
Janet Hunter,	184.00	
Lila D. Haney,	24.80	
Mary E. Haney,	39.00	
Ella W. Keene,	32.00	
Mary T. Leonard,	5.24	
Charlotte M. Murkland,	333.50	
Annie L. Murkland,	.80	
Mary B. Mason,	18.00	
Louisa M. Newhall,	13.75	
Ethel S. Parker,	164.38	
Esther W. Paul,	39.27	
Grace H. Potter,	13.75	
Sylvia W. Paulding,	11.20	
Mary L. Rogers,	45.60	
Mabel Spooner,	15.00	
Annie F. Smith,	27.50	
Sara L. Tallman,	27.20	
Ruth M. Tripp,	40.00	
Clara B. Watson,	180.00	
Clara M. Woodward,	60.00	
Ruth E. Wilde,	115.60	1,616.54

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\$108,455.01

To transfer to balance,

344.99

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\$108,800.00

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CR.

By appropriation,

\$96,300.00

Special appropriation,

12,500.00 \$108,800.00

## PUBLIC SCHOOLS.—REPAIRS OF BUILDINGS.

## DR.

## Acushnet :

C. O. Brightman,	\$79.49	
Charles F. Chase,	53.13	
Geo. A. Cobb,	2.80	
First Congregational Church,	34.40	
E. Morton,	14.75	
John F. Parker,	5.25	
John Sylvia,	6.75	
Wm. R. West,	24.69	\$221.26

## Acushnet ave. :

Asa L. H. Allen,	6.32	
Benj. Magnett,	28.80	
T. J. Moriarty,	3.78	
E. F. Penney,	32.77	
R. A. Sherman & Son,	22.30	
Wm. F. Sturtevant,	27.10	
Wm. H. Walker,	9.66	130.73

## Benjamin :

Geo. Dobson,	16.50	
Fichtenmayer & Flynn,	3.88	
M. A. Hickey,	232.23	
Jenney & Buffington,	1.81	
John J. Meaney,	13.61	
E. F. Penney,	105.62	
A. A. Sanborn,	1,580.47	
Street Department,	153.98	
Caroline Weber,	12.75	2,120.85

## Cannonville :

Kern & Wright,	63.34	
Wood, Brightman & Co.,	2.50	65.84

## Cedar Street :

Daniel H. Brownell,	5.62	
F. Dean,	8.80	
DeMoranville Bros.,	3.40	
Geo. E. Hatch,	56.85	
James B. Hazard,	.88	
Perkins & Chase,	40.80	
Street Department,	32.87	
D. W. Wilson,	704.55	853.77

## Cedar Grove Street :

Loum H. Faunce,	110.63	
D. H. Cook,	52.15	
Chas. H. Cragen,	3.00	
S. C. Lowe,	3.74	
Wm. R. West,	152.13	
Wood, Brightman & Co.,	173.15	494.80

## Clark's Point :

George Dobson,	11.00	
M. A. Hickey,	148.69	
John J. Meaney,	23.24	
E. F. Penney,	2.45	
Street Department,	91.18	276.56

## Dartmouth Street :

M. A. Hickey,	77.08	
Jenney & Buffington,	181.62	
Geo. Nelson,	22.67	
E. F. Penney,	106.72	
Street Department,	78.99	
Wm. H. Walker,	45.41	512.49

## Fifth Street :

James R. Denham, 2d,	3.24	
Jenney & Buffington,	56.79	
Herman Karcher,	90.84	
Magnett & Douglass,	15.00	
J. H. Sherman,	9.83	
R. A. Sherman & Son,	197.33	
Wood, Brightman & Co.,	53.71	426.74

## Harrington :

D. L. Hathaway & Son,	101.11	
Kern & Wright,	74.22	
James F. Slade,	10.13	
Wm. R. West,	2.00	187.46

## High :

DeWolf & Vincent,	20.80	
R. T. Durfey,	19.47	
B. F. Lewis,	98.66	
Llewelyn Lloyd,	475.00	
Wm. Peirce,	17.75	
Street Department,	3.60	
J. H. Sherman,	35.00	
Wood, Brightman & Co.,	1,256.18	1,926.46

## Howland:

T. J. Gifford & Co.,	7.40	
Geo. E. Hatch,	1.25	
Kern & Wright,	2.72	
S. C. Lowe,	5.43	
R. A. Sherman & Son,	88.86	
Wood, Brightman & Co.,	14.77	120.43

## Linden Street:

S. C. Lowe,	1.23	1.23
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## Madison Street:

Phylander Chace,	32.00	
J. W. Clifton,	14.07	
Kern & Wright,	7.28	
Wm. Maxfield & Son,	2.03	
R. A. Sherman & Son,	15.05	
Wm. H. Walker,	10.06	80.49

## Maxfield Street:

C. O. Brightman,	52.21	
Geo. E. Hatch,	15.65	
B. F. Lewis,	149.34	
Street Department:	2.27	219.47

## Merrimac Street;

F. Dean,	7.88	
Geo. E. Hatch,	27.17	
Landers & Vance,	16.53	
Street Department,	110.52	
Chas. Thompson,	6.40	
Hiram C. Tripp,	18.09	
Wm. R. West,	1.70	188.29

## Middle Street:

James B. Hazzard,	9.37	
B. F. Lewis,	20.53	
Geo. S. Perry & Co.,	143.01	
A. P. Pope,	86.29	
Street Department,	47.99	
Nathan Wheaton,	2.20	309.39

## North:

Mary I. Ashley,	94.26	94.26
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## Parker Street:

Blossom Bros.,	68.35	
H. K. Haskins,	328.47	

George E. Hatch,	19.54	
Street Department,	20.01	
Charles Thompson,	34.28	
Francis H. Vinal,	149.70	620.35
Rockdale :		
Wm. S. Brown,	1.50	
Kern & Wright,	17.12	
Abram L. Teachman,	15.00	
J. H. W. West,	5.97	39.59
Thompson Street :		
F. T. Akin & Co.,	169.91	
F. W. Choate,	46.64	
F. Dean,	25.40	
Llewelyn Lloyd,	50.00	
John Marland,	20.00	
Wm. Maxfield & Son,	1.22	
E. F. Penney,	1.00	
R. A. Sherman & Son,	6.85	
Street Department,	.56	
Joseph C. Warren,	57.56	
Wood, Brightman & Co.,	84.24	463.38
William Street :		
A. P. Pope,	23.03	
Wood, Brightman & Co.,	1.00	24.03
		<u>\$9,377.87</u>
To transfer to balance,		1,122.13
		<u>\$10,500.00</u>

CR.

By appropriation,	\$4,500.00	
Special appropriations,	6,000.00	\$10,500.00

## PUBLIC SCHOOLS—DOG FUND.

## DR.

Luke Allen,	\$62.50	
Almy & Hitch,	2.00	
E. Anthony & Sons, Inc.,	167.74	
P. Black,	2.06	
Bliss & Nye,	2.75	
Arthur C. Boyden,	85.00	
Clarence F. Carroll,	25.00	
Coffin Bros.,	2.63	
Mary E. Donovan,	39.86	
D. & W. Street Railway Co.,	62.80	
Headley & Reed,	15.00	
Haskell & Tripp,	7.45	
William E. Hatch,	229.05	
T. M. Hart & Co.,	26.54	
Hillman, Washburn & Co.,	27.00	
Samuel E. Miller,	62.50	
Geo. S. Perry & Co.,	29.73	
Henry T. Phillips,	100.00	
F. P. Sherman,	14.00	
R. A. Sherman & Son,	27.14	
Allen Smith, Jr.,	30.00	
Mrs. P. A. Sowle,	5.90	
R. W. Taber,	3.60	
George Weeden,	50.00	
Albert P. White,	50.00	\$1,130.25
January 6, 1896. To balance,		3,722.88
		<hr/>
		\$4,853.13

## CR.

January 7, 1895. By Balance,	\$3,632.20	
Cash receipts as per Treasurer's report,	1,220.93	\$4,853.13
	<hr/>	<hr/>

## CR.

January 6, 1896. By balance,	<hr/>	\$3,722.88
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# PUBLIC SCHOOLS—MANUAL TRAINING SCHOOL.

## DR.

F. T. Akin & Co.,	\$ .94	
W. A. Baker,	3.35	
Blossom Bros.,	36.89	
DeWolf & Vincent,	3.68	
George E. Faisneau,	4.00	
Charles F. Keen,	.60	
R. A. Sherman & Son,	150.00	
Nat. P. Sowle,	.86	
R. W. Taber,	1.95	
C. G. Thompson,	1.65	
S. A. Tripp,	.65	
William H. Washburn,	33.97	\$238.54
		<hr/>

## CR.

January 7, 1895. By balance,	\$235.46	
Transfer to balance,	3.08	\$238.54
		<hr/>

# REAL ESTATE TAX ACCOUNT.

## DR.

January 7, 1895. To balance,	\$1,276.08	
Collector of Taxes,	285.95	\$1,562.03
		<hr/>

## CR.

By cash receipts, as per Collector's report,	\$495.16	
January 6, 1896. By balance,	1,066.87	\$1,562.03
		<hr/>

## DR.

January 6, 1896. To balance,		\$1,066.87
	<hr/>	<hr/>

## REPAIRS OF CITY PROPERTY.

DR.

## Almshouse :

W. D. Blanchard,	\$115.34	
Samuel H. Cook & Co.,	100.00	
Llewelyn Lloyd,	22.00	
John J. Meaney,	453.77	
R. A. Sherman & Son,	275.18	
William R. West,	44.20	
D. W. Wilson,	258.11	\$1,268.60

## City Hall :

Almy & Hitch,	11.98	
Kern & Wright,	1.00	
J. L. G. Mason,	7.05	
William Maxfield & Son,	1.76	
N. B. Gas & Edison Light Co.,	1.10	
Peirce, Lewis & Co.,	98.90	
E. F. Penney,	.60	
A. P. Pope,	98.21	
Lettice R. Washburn,	113.26	333.86

## Engine Houses :

Coggeshall, Maxfield & Co.,	40.23	
F. W. Hammond,	31.03	
George E. Hatch,	10.61	
Kern & Wright,	107.00	
Llewelyn Lloyd,	5.00	
John W. Look,	212.08	
T. E. Mahoney,	7.20	
Perkins & Chase,	73.15	
Street Department,	35.90	
William R. West,	.18	522.38

## Library Building :

F. T. Akin & Co.,	2.98	
Almy & Hitch,	.40	
George Brennan,	4.00	
Briggs & Lawrence,	19.63	
C. O. Brightman,	788.84	
Wm. S. Brown,	67.63	
Coggeshall, Maxfield & Co.,	27.10	
Samuel H. Cook & Co.,	50.00	
George E. Hatch,	20.70	

George Nelson,	2.68	
N. B. Boiler & Machine Co.,	169.72	
N. B. Gas & Edison Light Co.,	52.05	
A. D. Piper,	.50	
A. P. Pope,	45.22	
R. A. Taber,	13.64	
Wm. R. West,	1.85	
Wood, Brightman & Co.,	20.32	1,287.26
Police stations :		
F. T. Akin & Co.,	43.58	
C. O. Brightman,	36.41	
Samuel H. Cook & Co.,	100.00	
S. C. Lowe,	6.30	
N. B. Boiler & Machine, Co.,	1.40	
E. F. Penney,	1.25	
Joseph C. Warren,	71.01	
Lettice R. Washburn,	11.21	
William R. West,	48.29	
D. W. Wilson,	47.30	366.75
Schoolhouses :		
C. O. Brightman,	245.74	245.74
Ward Rooms :		
S. C. Lowe,	1.45	
A. P. Pope,	.35	1.80
Miscellaneous :		
E. Anthony & Sons, Inc., advertising,	25.60	
Board of Public Works, betterment tax,	3,996.00	
Briggs & Lawrence, furniture,	89.10	
C. O. Brightman, fitting gate,	.70	
D. W. Craig, vault door,	78.36	
E. M. Durfee, repairing lawn mower,	2.05	
Evening Journal, advertising,	27.81	
Hatch & Co., express,	7.85	
L. J. Hathaway, repairing wheelbarrow,	1.50	
N. P. Hayes, hitching post,	1.75	
Hardy Hitch, Jr., labor on awnings,	5.75	
H. B. Howland, clock,	4.00	
P. P. Jenney & Son, sharpening lawn mower,	2.37	
H. M. Maine, beating carpets,	36.86	
S. G. Mandell, keys and locks,	1.50	
Mercury Publishing Co., advertising,	22.93	
N. B. Gas & Edison Light Co.,	3.50	
N. B. Street Transportation Co., moving safe,	26.64	

Peirce Lewis & Co., furniture,	2.99	
E. H. Pierce, brushes, pails, mats and brooms,	47.42	
Lettice R. Washburn, table,	18.00	
F. R. Slocum, furniture,	8.00	
Street department, removing snow,	183.23	
George D. Richards,	2.31	
C. F. Wing & Co,	23.50	4,619.72
		<hr/>
		\$8,646.11

## CR.

By appropriation,	\$4,500.00	
Transfer from unappropriated funds,	350.00	
Transfer to balance,	3,796.11	\$8,646.11

## REPAIRS OF CITY HALL.

## DR.

Asa L. H. Allen,	\$75.00	
E. Anthony & Sons,	4.73	
Briggs & Lawrence,	.21	
C. O. Brightman,	6,236.04	
Evening Journal,	6.58	
William Ferguson,	18.25	
T. J. Gifford & Co.,	755.99	
E. V. Kendall,	3.92	
Kern & Wright,	1,202.93	
S. C. Lowe,	62.48	
S. G. Mandell,	.75	
Mercury Publishing Co.,	4.34	
N. B. Boiler & Machine Co.,	2,052.51	
N. B. Gas & Edison Light Co.,	2,103.43	
E. H. Pierce,	2.70	
C. B. Piper,	14.80	
John H. Ryan,	607.00	
Sisson & Ring,	59.28	
Street Department,	108.77	
James H. Warren,	160.36	
S. B. Wilbur,	708.04	
Charles F. Wing,	955.21	\$15,143.32

## CR.

By special appropriation,	\$7,900.00	
Transfer to balance,	7,243.32	\$15,143.32

SCHOOLHOUSE, PHILLIPS AVENUE AND BOW-  
DITCH STREET.

## DR.

C. Hammond & Son,	\$500.00	
N. B. Water Works,	42.26	
Edmund O'Keefe,	15.86	
John B. Sullivan,	5,057.20	\$5,615.32
January 6, 1896. To balance,		26,884.68
		<hr/>
		\$32,500.00

## CR.

By special appropriation,	<hr/>	\$32,500.00
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## CR.

January 6, 1896. By balance,	<hr/>	\$26,884.68
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SCHOOLHOUSE LOT, PHILLIPS AVENUE AND  
BOWDITCH STREET.

## DR.

Morgan Rotch, trustee,	\$3,889.41	
To transfer to balance,	30.59	\$3,920.00
	<hr/>	<hr/>

## CR.

By special appropriation,	<hr/>	\$3,920.00
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## SCHOOLHOUSE—CLARK STREET.

## DR.

E. Anthony & Sons, Inc.,	\$17.60	
E. V. Kendall,	5.40	
N. B. Water Works,	35.44	
Edmund O'Keefe,	3.45	
Street Department,	1,174.44	
Nat. C. Smith,	600.00	
James B. Taylor,	11,780.85	\$13,617.18
January 6, 1896. To balance,		19,033.50
		<u>\$32,650.68</u>

## CR.

By special appropriation,	\$31,546.68	
Transfer from unappropriated funds,	1,104.00	\$32,650.68

## CR.

January 6, 1896. By balance,	\$19,033.50
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## SCHOOLHOUSE ACUSHNET AVE.—HEATING.

## DR.

George H. Underhill, lessee,	\$1,025.00
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## CR.

January 7, 1895. By balance,	\$706.63	
Transfer from unappropriated funds,	318.37	\$1,025.00



## SCHOOLHOUSE, FOURTH AND MADISON STS.

DR.

Nat. C. Smith,

\$168.39

CR.

By transfer from unappropriated funds,

\$168.39

SCHOOLHOUSE, FOURTH AND MADISON  
STREETS—HEATING.

DR.

A. A. Sanborn,

\$800.00

CR.

January 7, 1895. By balance,

\$800.00

## SALARIES.

## DR.

David L. Parker, Mayor,	\$2,000.00
James H. Hathaway, City Treasurer, and Collector of Taxes,	2,725.03
Daniel B. Leonard, City Clerk,	2,581.25
William S. Cook, Assistant City Clerk,	700.00
George W. Parker, City Auditor,	1,469.67
Thomas F. Desmond, City Solicitor,	194.48
Eliot D. Stetson, City Solicitor,	728.84
Charles H. Wood, Sealer of Weights and Measures,	106.00
George E. Eggars, Sealer of Weights and Measures,	259.00

## Board of Assessors :

George E. Briggs,	1,400.00
John A. Ruggles,	1,100.00
Charles D. Tuell,	1,100.00
William A. Mackie, Clerk of Common Council,	300.00
Augustus D. Piper, City Messenger,	800.00
George W. Howland, Bell Ringer,	29.17
Othello S. Driskell, Bell Ringer,	95.83
Charles E. Woodworth, Superintendent City Clock,	75.00
Henry F. West, Harbor Master,	65.88
Pardon B. Gifford, Harbor Master,	179.69
Dr. D. C. Ashley, Inspector of Cattle, Meat, Milk, and Provisions,	1,157.53
Edmund O'Keefe, Inspector of Buildings,	1,735.10
Daniel D. Briggs, Supervisor of Wires,	300.00

## Board of Health :

Dr. William N. Swift,	482.66
Nathaniel Hathaway,	482.66
William G. Kirschbaum,	482.66

## Board of Registrars :

Emanuel Sullavou,	126.33
Willard N. Lane,	400.00
John A. Gomley,	300.00
Edwin A. Douglass,	200.00
Daniel B. Leonard,	300.00

## Board of Aldermen :

Luther G. Hewins, Jr.,	100.00
Henry C. Hathaway,	100.00
John H. Barrows,	100.00
William R. West,	100.00
J. Arthur Taylor,	100.00
Samuel E. Bentley,	100.00

## License Commission :

Rufus A. Soule,	17.23	
John W. Bannister,	14.73	
Stephen D. Peirce,	14.73	
Gilbert N. Hall,	192.49	
Edward T. Peirce,	197.22	
George F. Brightman,	199.16	\$23,112.34

## CR.

By appropriation,	\$20,700.00	
Transfer from unappropriated funds,	1,200.00	
Transfer to balance,	1,212.34	\$23,112.34

## SEWERS—GENERAL ACCOUNT.

## DR.

Pay rolls,	\$4,333.69
Acushnet Iron Co.,	380.79
Boston Double Catch-Basin, Sewer, and House Trap Co.,	21.75
Bowker & Tripp,	9.38
F. S. Brightman,	8.25
Dr. John T. Bullard,	35.00
Samuel H. Cook & Co.,	100.00
Covel & Osborn,	3.00
Alfred Denault,	9.53
DeWolf & Vincent,	29.93
James Duddy,	6.00
David Duff & Son,	328.67
Edson Manufacturing Co.,	3.80
George E. Eggars,	103.87
Fichtenmayer & Flynn,	2.45
Gardner & Southwick,	41.89
T. J. Gifford & Co.,	1.80
Thomas M. Hart & Co.,	15.78
N. P. Hayes,	32.50
Highways and streets,	5,904.06
Hillman Washburn & Co.,	1.75
P. P. Jenney & Son,	16.50
C. H. & H. A. Lawton,	11.20
S. C. Lowe,	350.87
John McCullough,	32.90
John McLeod,	215.60
N. B. Cordage Co.,	26.65
N. B. Boiler & Machine Co.,	1.64
N. B. Street Transportation Co.,	16.88
N. B. Water Works,	26.00
N. Y., N. H., & H. Railroad Co.,	62.27
Francois Normandin,	8.66
Padelford & Besse,	2.00
S. S. Paine & Bro.,	6,975.66
Edward M. Peirce,	1.50
C. G. & G. A. Randall,	38.31
George D. Richards,	6.80
Smith-Carleton Iron Co.,	21.45
So. Mass. Telephone Co.,	.99

George H. Spooner & Bro.,	28.00	
Staples Bros.,	5.34	
Dr. M. V. Sylvia,	11.25	
Robert W. Taber,	1.40	
E. & K. C. Terry,	1.97	
Maria E. Tiexeiria,	5.71	
Dr. J. J. B. Vermyn,	8.00	
Lettice R. Washburn,	2.45	
William R. West,	1.30	
Wood, Brightman & Co.,	211.06	\$19,465.65

## CR.

By appropriation,	\$13,500.00	
Transfer from unappropriated funds,	2,836.82	
Transfer to balance,	3,128.83	\$19,465.65

## SEWER, ACUSHNET AVENUE.

## DR.

Pay rolls,	\$1,210.14	
George A. Eggars,	48.25	
General sewers,	138.09	
Highways and streets,	103.04	
John McCullough,	3.50	
Willard Nye, Jr.,	3.72	
C. G. & G. A. Randall,	16.00	
Joseph W. Spooner,	10.00	\$1,532.74

## CR.

By special appropriation,	\$1,000.00	
Transfer to balance,	532.74	\$1,532.74

1896.

## AUDITOR'S REPORT.

121

## SEWER, ARCH STREET.

## DR.

Pay rolls,	\$122.40	
General sewers,	100.56	
Highways and streets,	12.29	\$235.25
To transfer to balance,		64.75
		<hr/>
		\$300.00

## CR.

By special appropriation,	<hr/>	<hr/>	\$300.00
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## SEWER—ATLANTIC STREET.

## DR.

Pay rolls,	\$125.33	
General sewers,	97.30	
Highways and streets,	16.16	
S. C. Lowe,	1.25	\$240.04
To transfer to balance,		159.96
		<hr/>
		\$400.00

## CR.

By special appropriation,	<hr/>	<hr/>	\$400.00
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## SEWER—BEETLE STREET No. 2.

## DR.

Pay rolls,	\$846.04	
F. T. Akin & Co.,	12.15	
James Duddy,	8.00	
George A. Eggers,	40.25	
General sewers,	164.40	
Highways and streets,	116.88	
C. G. & G. A. Randall,	15.50	
E. & K. C. Terry,	16.63	\$1,219.85
To transfer to balance,		880.15
		<hr/>
		\$2,100.00

## CR.

By special appropriation,	<hr/>	<hr/> \$2,100.00
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## SEWER—BELLEVILLE AVE. No. 6.

## DR.

Pay rolls,	\$309.32	
General sewers,	213.06	
Highways and streets,	21.27	
S. S. Paine & Bro.,	5.83	\$549.48
To transfer to balance,		100.52
		<hr/>
		\$650.00

## CR.

By special appropriation,	<hr/>	<hr/> \$650.00
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1896.

## AUDITOR'S REPORT.

123

## SEWER—BELLEVILLE AVE. No. 7.

## DR.

Pay rolls,	\$234.18	
General sewers,	144.52	
Highways and streets,	53.26	\$431.96
To transfer to balance,		218.04
		<u>\$650.00</u>

## CR.

By special appropriation,	<u>\$650.00</u>
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## SEWER—BUTLER STREET.

## DR.

Pay rolls,	\$477.41	
General sewers,	273.32	
Highways and streets,	64.12	
S. S. Paine & Bro.,	9.75	\$824.60
January 6, 1896. To balance,		375.40
		<u>\$1,200.00</u>

## CR.

By special appropriation,	<u>\$1,200.00</u>
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## CR.

January 6, 1896. By Balance,	<u>\$375.40</u>
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## SEWER, COFFIN AVENUE, NO. 2.

## DR.

Pay rolls,	\$5,476.19	
F. T. Akin & Co.,	25.88	
Dr. E. W. Dehn,	3.00	
DeWolf & Vincent,	2.75	
C. L. Dunham,	2.29	
James Duddy,	10.00	
George A. Eggars,	151.97	
General sewers,	1,496.90	
Greene & Wood,	83.85	
T. M. Hart & Co.,	5.70	
N. P. Hayes,	43.68	
Highways and streets,	721.59	
Hillman, Washburn & Co.,	3.50	
P. P. Jenney & Son,	.75	
S. C. Lowe,	2.10	
N. B. Street Transportation Co.,	9.00	
N. B. Water Works,	6.12	
John Otheman,	.50	
S. S. Paine & Bro.,	1,726.35	
Perkins & Chase,	106.54	
C. G. & G. A. Randall,	115.17	
F. L. Sowle & Co.,	9.00	
George H. Spooner & Bro.,	8.00	
E. & K. C. Terry,	6.42	
William R. West,	.85	
Wood, Brightman & Co.,	.25	\$10,018.35

## CR.

By special appropriation,	\$10,000.00	
Transfer to balance,	18.35	\$10,018.35

## SEWER, COGGESHALL STREET No. 4.

## DR.

Pay rolls,	\$344.36	
January 6, 1896. To balance,	55.64	\$400.00

## CR.

By special appropriation,	\$400.00
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## CR.

By balance,	\$55.64
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## SEWER, COURT STREET No. 4.

## DR.

Pay rolls,	\$462.14	
Highways and streets,	36.66	
General sewers,	172.79	
Greene & Wood,	33.20	\$704.79
To transfer to balance,		95.21
		<u>\$800.00</u>

## CR.

By special appropriation,	\$800.00
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## SEWER, DAVIS STREET.

## DR.

Pay rolls,	\$502.10	
General sewers,	1,131.69	
Highways and streets,	215.35	
S. S. Paine & Bro.,	39.01	\$1,888.15
To transfer to balance,		111.85
		<hr/>
		\$2,000.00

## CR.

By special appropriation,	<hr/>	\$2,000.00
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## SEWER, JOUVETTE STREET.

## DR.

Pay rolls,	\$315.86	
David Duff & Son,	5.49	
George A. Eggars,	17.77	
General sewers,	318.05	
Highways and streets,	40.97	\$698.14
To transfer to sewer, Morton Court,		500.00
To transfer to sewer, North street,		350.00
To transfer to balance,		451.86
		<hr/>
		\$2,000.00

## CR.

By special appropriation,	<hr/>	\$2,000.00
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1896.

## AUDITOR'S REPORT.

127

## SEWER, MILL STREET, NO. 6.

## DR.

Pay rolls,	\$132.56	
Highways and streets,	12.89	
S. S. Paine & Bro.,	6.97	
General sewers,	99.47	\$251.89
To transfer to balance,		48.11
		<hr/>
		\$300.00

## CR.

By special appropriation,	<hr/>	<hr/>
		\$300.00

## SEWER, MILL STREET, NO. 7.

## DR.

Pay rolls,	\$148.29	
January 6, 1896. To balance,	2,101.71	\$2,250.00
	<hr/>	<hr/>

## CR.

By special appropriation,	<hr/>	<hr/>
		\$2,250.00

## CR.

January 6, 1896. By balance,	<hr/>	<hr/>
		\$2,101.71



## SEWER, MORGAN AND ASH STREETS.

## DR.

Pay rolls,	\$381.78	
General sewers,	169.50	
Highways and streets,	62.93	\$614.21
To transfer to balance,		185.79
		<hr/>
		\$800.00

## CR.

By special appropriation,	<hr/>	\$800.00
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## SEWER, MORTON COURT.

## DR.

Pay rolls,	\$198.65	
General sewers,	152.42	
Highways and streets,	24.19	
P. P. Jenney & Son,	.25	\$375.51
To transfer to balance,		124.49
		<hr/>
		\$500.00

## CR.

By transfer from sewer, Jouvette street,	<hr/>	\$500.00
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## SEWER, NORTH STREET, NO. 6.

## DR.

Pay rolls,	\$96.10	
General sewers,	117.20	
Highways and streets,	15.33	\$228.63
To transfer to balance,		121.37
		<hr/>
		\$350.00

## CR.

By transfer from sewer, Jouvette street,	<hr/>	\$350.00
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## SEWER, PHILLIPS AVENUE.

## DR.

Pay rolls,	\$168.60	
General sewers,	2.07	
Highways and streets,	1.33	
S. S. Paine & Bro.,	63.94	\$235.94
To transfer to balance,		14.06
		<hr/>
		\$250.00

## CR.

By special appropriation,	<hr/>	\$250.00
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## SEWER, PIERCE STREET.

## DR.

Pay rolls,	\$140.00	
General sewers,	144.44	
Highways and streets,	8.77	\$293.21
To transfer to balance,		6.79
		<hr/>
		\$300.00

## CR.

By special appropriation,	<hr/>	\$300.00
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## SEWER, SCOTT STREET.

## Dr.

Pay rolls,	\$131.12	
General sewers,	109.03	
Highways and streets,	25.85	\$266.00
January 6, 1896. To balance,		134.00
		<hr/>
		\$400.00

## Cr.

By special appropriation,	<hr/>	\$400.00
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## Cr.

January 6, 1896. By balance,	<hr/>	\$134.00
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## SEWER, THOMPSON STREET.

## Dr.

Pay rolls,	\$902.04	
General sewers,	643.05	
Highways and streets,	77.11	\$1,622.20
To transfer to balance,		377.80
		<hr/>
		\$2,000.00

## Cr.

By special appropriation,	<hr/>	\$2,000.00
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1896.

## AUDITOR'S REPORT.

131

## SEWER, VERA BROOK.

## DR.

Pay rolls,	\$323.91	
General sewers,	392.89	
Highways and streets,	45.34	\$762.14
To transfer to balance,		37.86
		<hr/>
		\$800.00

## CR.

By special appropriation,	<hr/>	\$800.00
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## SEWER, VINE STREET.

## DR.

Pay rolls,	\$1,023.44	
General sewers,	372.62	
Highways and streets,	63.89	
S. S. Paine & Bro.,	9.30	
William R. West,	1.60	\$1,470.85
	<hr/>	<hr/>

## CR.

By special appropriation,	\$1,100.00	
Transfer to balance,	370.85	\$1,470.85
	<hr/>	<hr/>

## SINKING FUNDS.

## DR.

Sinking Fund Commissioners,		\$69,803.98
	<hr/>	<hr/>

## CR.

By appropriation,	\$64,800.00	
Cash receipts, as per Treasurer's report,	5,003.98	\$69,803.98
	<hr/>	<hr/>

## TEMPORARY LOAN.

## DR.

To paid loans,	\$380,000.00	
January 6, 1896. To balance,	60,000.00	\$440,000.00
	<hr/>	<hr/>

## CR.

By cash receipts, as per Treasurer's report,	\$440,000.00
	<hr/>

## CR.

January 6, 1896. By balance,	\$60,000.00
	<hr/>

## TRUST FUNDS.

## CR.

## BY SYLVIA ANN HOWLAND FREE PUBLIC LIBRARY FUND:

One-half of the bequest of Sylvia Ann Howland for the support of liberal education and Free Public Library,	\$50,000.00
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## BY SYLVIA ANN HOWLAND EDUCATIONAL FUND:

One-half of the bequest of Sylvia Ann Howland for the support of liberal education and Free Public Library,	50,000.00
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## BY GEORGE HOWLAND, JR., FUND:

Donation to Free Public Library,	1,600.00
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## BY CHARLES W. MORGAN FUND:

Bequest to Free Public Library,	1,000.00
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## BY OLIVER CROCKER FUND:

Bequest to Free Public Library,	1,000.00
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## BY JAMES B. CONGDON FUND:

Donation to Free Public Library,	500.00
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## BY JONATHAN BOURNE PRIZE FUND:

Donation to School Committee,	1,000.00
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## BY GEORGE O. CROCKER FUND:

Bequest to Free Public Library,	10,000.00
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## BY ELIZABETH T. WOOD:

Bequest to Free Public Library,	2,000.00
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	\$117,100.00
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## UNAPPROPRIATED FUNDS.

## DR.

## To transfers to—

City property,	\$350.00	
Election funds,	4,000.00	
Engineering department,	2,200.00	
Engineering department, grade crossings,	2,000.00	
Fire department,	14,283.00	
Free Public Library, catalogues,	800.00	
Highways and streets,	24,446.81	
Incidentals,	5,075.00	
Lighting the streets,	7,500.00	
N. B. Water Works,	2,000.00	
New Crusher Plant,	1,870.67	
Park Commission,	2,000.00	
Platting system,	200.00	
Police department,	11,000.00	
Schoolhouse, Acushnet Ave., heating,	318.37	
Schoolhouse, Clark street,	1,104.00	
Schoolhouse, Fourth and Madison streets,	168.39	
Salaries,	1,200.00	
Sewers, general,	2,836.82	
To transfers to balance,	99,528.82	\$182,881.88

## CR.

By cash receipts, as per Treasurer's report,	\$182,881.88
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## BALANCE OF PUBLIC PROPERTY.

## DR.

To bonds issued,	\$82,000.00	
Sinking Fund Commissioners,	5,481.91	
January 6, 1896. Balance,	1,153,501.84	\$1,240,983.75

## CR.

January 7, 1895. By balance,	\$778,951.99	
By bonds paid,	110,000.00	
Public property,	352,031.76	\$1,240,983.75

## CR.

January 6, 1896. By balance,	\$1,153,501.84
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## PUBLIC PROPERTY.

(OTHER THAN WATER WORKS.)

## DR.

January 7, 1895. To balance,	\$1,435,269.24	
Increase in valuation over 1894,	352,031.76	\$1,787,301.00

## NEW BEDFORD WATER WORKS.

(AS PUBLIC PROPERTY.)

## DR.

January 6, 1896. To valuation of works,	\$1,200,000.00
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## SINKING FUND COMMISSIONERS.

## DR.

January 7, 1895. To balance,		\$378,682.75
	<hr/>	<hr/>

## CR.

By decrease in hands of Commissioners since 1894,	\$5,481.91	
January 6, 1896. Balance,	373,200.84	\$378,682.75
	<hr/>	<hr/>

## DR.

January 6, 1896. To balance,		\$373,200.84
	<hr/>	<hr/>

## BONDS.

## DR.

To bonds paid,	\$110,000.00	
January 6, 1896. To balance,	2,107,000.00	\$2,217,000.00
	<hr/>	<hr/>

## CR.

January 7, 1895. By Balance,	\$2,135,000.00	
By bonds issued,	82,000.00	\$2,217,000.00
	<hr/>	<hr/>

## CR.

January 6, 1896. By balance,		\$2,107,000.00
	<hr/>	<hr/>



# INTEREST PAYABLE IN 1896 ON PRESENT DEBT.

On \$100,000 Water bonds, at 7 per cent.,	\$7,000
180,000 " " 6 "	10,800
100,000 " " 5 "	5,000
340,000 " " 4 "	13,600
171,000 Improvements, at 6 per cent.,	10,260
500,000 " 4 "	20,000
60,000 " $3\frac{1}{2}$ "	2,100
481,000 Sewer bonds at 4 per cent.,	19,240
75,000 " " $3\frac{1}{2}$ "	2,625
100,000 Park loan, at 4 per cent.,	4,000
<hr/> \$2,107,000	<hr/> \$94,625

THE FOLLOWING TABLE SHOWS THE AMOUNT OF TAXES LEVIED IN THIS CITY SINCE 1876, AND  
THE RATE PER THOUSAND, FOR STATE, COUNTY, AND CITY PURPOSES;  
ALSO THE NUMBER OF POLLS.

Year.	Valuation of Real Estate.	Valuation of Personal Property.	State Tax.	County Tax.	City Tax.	Overlay.	No. of Polls.	Rate of Tax.
1876	\$12,411,200	\$14,339,002.00	\$20,244	\$23,859.86	\$387,000	\$20,251.49	6,651	\$16.60
1877	12,609,200	13,524,097.00	21,870	23,859.86	436,300	17,273.46	6,502	18.60
1878	12,808,700	13,137,011.20	14,580	25,249.76	371,500	17,259.61	6,729	16.00
1879	12,898,300	12,874,418.00	7,290	25,666.72	386,000	17,497.36	6,891	16.40
1880	13,138,400	13,137,519.00	21,870	28,377.03	361,250	15,080.89	7,028	15.70
1881	13,505,400	13,699,922.00	21,870	26,871.30	437,300	16,084.49	7,025	18.00
1882	14,138,300	13,974,587.00	29,160	25,689.88	434,200	17,605.64	7,340	17.50
1883	15,109,300	15,180,305.00	25,770	29,468.95	452,400	16,614.41	7,694	16.80
1884	16,293,800	15,718,182.00	34,360	26,668.72	462,700	13,031.04	8,141	16.60
1885	16,778,900	15,416,695.50	27,770	27,735.50	457,950	17,028.11	8,349	16.30
1886	16,778,900	15,416,695.50	27,015	33,883.77	456,300	15,328.18	8,699	16.00
1887	17,372,600	15,309,658.00	40,522½	38,485.28	489,700	18,075.50	9,056	17.40
1888	18,023,700	15,430,647.00	40,522½	41,274.10	486,411	19,364.29	9,424	17.00
1889	18,928,800	15,718,866.00	34,700	51,476.17	508,600	17,642.91	9,972	17.10
1890	20,041,700	16,829,154.00	36,362½	50,632.30	519,300	22,120.12	10,710	16.30
1891	20,959,300	14,970,600.00	26,025	47,819.40	550,200	26,134.37	11,160	16.30
1892	22,094,300	18,179,813.00	31,377	51,410.26	606,700	27,976.39	11,861	17.30
1893	25,344,300	19,130,798.00	44,825	57,699.11	673,689	28,077.05	12,988	17.50
1894	31,835,500	19,599,425.00	35,860	67,796.46	699,176	25,711.57	13,080	15.60
1895	31,984,150	20,658,600.00	30,915	78,760.33	698,545	31,077.76	14,300	15.40

Average tax rate for twenty years, \$16.72



CITY OF NEW BEDFORD.  
IN COMMITTEE, July 21, 1896.

The sub-committee appointed to appraise the city property, and prepare a schedule of the same, have attended to that duty, and submit the following report:—

Poor department :

Almshouse, outbuildings and 12,407 rods land,	\$98,035.00	
Furniture in almshouse,	2,750.00	
Farming and mechanics' tools,	450.00	
Tedders, horse rake, manure spreader, etc.,	760.00	
Carts, gears, lumber wagons, etc.,	850.00	
Ambulance,	250.00	
Horses, oxen, cows, hogs and poultry,	1,435.00	
Hay, grain, vegetables, pork, etc.,	2,968.00	
Wood and coal shed, corner North Second and North streets,	3,000.00	
Wood and coal in shed,	2,000.00	\$112,498.00

Board of Health :

Small pox hospital,	1,000.00	
Old almshouse and outbuildings,	1,500.00	
Furniture in hospital,	70.00	2,570.00

Highways and Streets department :

Sundries, as per inventory,	30,689.00
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Sewer department :

Sundries, as per inventory,	12,695.00
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Engineering department :

Sundries, as per inventory,	2,200.00
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Street Light department :

Gas and naphtha lamps, post and lanterns,	4,152.00	
Two houses for oil,	300.00	
Tools for Inspector of Petroleum,	50.00	4,502.00

Public buildings, land, etc. :

City hall and lot,	141,466.00
City Library building and lot	131,839.00
City Common,	85,000.00
Rural cemetery,	130,267.00
Oak Grove cemetery,	27,614.00
Pine Grove cemetery,	800.00
Central police station and lot,	15,700.00
Willis street police station and lot,	3,043.00



Phillips avenue schoolhouse and lot,	9,535.00	
Rockdale	1,254.00	
William street	5,191.00	
Thompson street	37,800.00	
Harrington	54,503.00	
Division street	33,875.00	
Truant schoolhouse,	1,500.00	689,691.00
Fire department:		
Engine house and lot, Acushnet,	1,200.00	
Engine house and lot, Acushnet avenue and Davis street,	26,410.00	
Engine house and lot, Hillman street,	33,570.00	
“ “ Purchase st., No. 1,	13,590.00	
“ “ Purchase st., No. 2,	21,220.00	
“ “ Fourth street,	13,000.00	
“ “ Bedford street,	16,009.00	
“ “ Durfee street,	16,966.00	
Steam fire engine, No. 1,	3,000.00	
“ No. 2,	3,000.00	
“ No. 4,	3,000.00	
“ No. 5,	3,500.00	
“ No. 6,	3,000.00	
“ No. 7,	3,300.00	
“ No. 8,	3,500.00	
Chemical wagon,	1,750.00	
Nine hose carriages,	3,800.00	
Hand engine, No. 9,	500.00	
Hayes truck, No. 1,	3,200.00	
Hayes truck, No. 2,	3,000.00	
Hayes truck, No. 3,	3,000.00	
Ryan truck,	1,200.00	
Fourteen thousand feet of hose,	7,000.00	
Thirty-five horses and harnesses,	7,000.00	
Ten wagons,	3,000.00	
Fire alarm telegraph, including bells, strikers, etc.,	20,000.00	
Sundries,	2,500.00	220,215.00
		\$1,840,501.00
New Bedford Water Works,		1,200,000.00
		<u>\$3,040,501.00</u>

## RECAPITULATION.

Poor department,	\$112,498.00	
Board of Health,	2,570.00	
Highways and Streets department,	30,689.00	
Sewer department,	12,695.00	
Engineering department,	2,200.00	
Street Light department,	4,502.00	
Public buildings, land, etc.,	765,441.00	
School department,	689,691.00	
Fire department,	220,215.00	
New Bedford Water Works,	1,200,000.00	\$3,040,501.00

Respectfully submitted,

WILLIAM BAMFORD,  
CHARLES H. FULLER,  
JAMES C. PLATT,  
Committee.

## AUDITOR'S TRIAL BALANCE.

JANUARY 6, 1896.

## DR.

New Bedford Water Works, as public property,	\$1,200,000.00	
Public property, other than water works,	1,787,301.00	
Sinking Fund Commissioners,	373,200.84	
Appropriations, general, 1895,	35,671.63	
"    "    1894,	30,528.72	
"    "    1893,	15,048.53	
"    "    1892,	8,244.56	
"    "    1891,	5,458.97	
"    "    1890,	7,854.20	
"    special, 1895,	222,017.45	
"    "    1894,	1,000,000.00	
Commonwealth of Mass., chap. 279,	1,734.76	
"    "    chap. 301,	9,065.43	
"    "    chap. 395,	245.00	
Real estate tax account,	1,066.87	
City Treasurer, balance of cash,	19,779.59	\$4,717,217.55

## CR.

Trust funds,	\$117,100.00
Bonds,	2,107,000.00
Balance of public property,	1,153,501.84
Cemeteries, sale of lots,	211.07
Cemetery funds,	26,734.93
Engineering department, grade crossings,	1,482.08
Free Public Library, catalogues,	413.73
"    "    dog fund,	311.87
"    "    Trustees,	2,691.15
Coggeshall street bridge,	2,987.50
Dredging docks,	100.00
Land damages, widening Fourth street,	4,500.00
Kempton street schoolhouse and lot,	300.00
N. B. School Committee, Howland fund,	1,733.63
N. B. School Committee, Jona. Bourne prize fund,	30.00
N. B. Water Works,	38,383.02
N. B. Water Works, further water supply,	1,119,280.02
Permanent debt,	595.00

Platting system, . . .	5,088.90	
Public schools, dog fund,	3,722.88	
Schoolhouse, Phillips avenue,	26,884.68	
Schoolhouse, Clark street,	19,033.50	
Sewer, Butler street,	375.40	
Sewer, Mill street, No. 7,	2,101.71	
Land damages, Union street,	22,465.00	
Temporary loan,	60,000.00	
Sewer, Coggeshall street, No. 4,	55.64	
Sewer, Scott street,	134.00	\$4,717,217.55

We have examined the foregoing, and find it correct.

JOHN H. BARROWS,  
WILLIAM L. CHADWICK,  
CHARLES H. L. DELANO,

Sub-committee of the Committee on Finance, appointed to examine the books and accounts of the Auditor and Treasurer.

Approved.

JOHN H. BARROWS,  
LUTHER G. HEWINS, JR.,  
OLIVER B. DAVIS,  
ROBERT L. BAYLIES,  
JOSEPH C. WARREN,  
Committee of Audit.





ANNUAL REPORT

OF THE

COLLECTOR OF TAXES .

FOR THE YEAR 1895.



# STATEMENT

## OF THE

### COLLECTOR OF TAXES.

CITY OF NEW BEDFORD.

COLLECTOR'S OFFICE,

January 6, 1896.

*To the City Council of the City of New Bedford.*

GENTLEMEN : — Herewith I present a statement of my account as Collector of Taxes for the City of New Bedford for the year ending at this date.

STATEMENT FROM 1889 TO 1894, INCLUSIVE.

YEAR.	UNPAID JAN. 7, 1895.	PAID & REMITTED.	UNPAID JAN. 6, 1896.
1889	\$8,055.63	\$24.61	\$8,031.02
1890	7,082.32	43.56	7,038.76
1891	9,749.59	138.84	9,610.75
1892	11,095.88	502.95	10,592.93
1893	18,433.62	6,063.60	12,370.02
1894	35,139.22	12,505.87	22,633.35
	\$89,556.26	\$19,279.43	\$70,276.83

## TAXES OF 1895.

## CHARGES.

State tax,	\$30,915.00	
County tax,	78,760.33	
City tax,	698,545.00	
City tax, (additional),	5,723.69	
Overlay,	31,077.77	\$845,021.79

## PAYMENTS.

Paid State Treasurer, State tax,	\$30,915.00	
Paid County Treasurer, County tax,	78,760.33	
Paid City Treasurer, City tax,	652,873.37	
Abatements by the Assessors,	8,544.18	
Discount 5 per cent.,	39,618.99	
Balance of taxes unpaid,	34,309.92	845,021.79

The receipts under the discount of five per cent. from September 15 to October 15, inclusive, were as follows:—

Gross receipts, other than National bank taxes,	\$751,667.53	
National bank taxes, gross,	41,213.23	\$792,880.76
Discount,		39,618.99
Net receipts under the discount,		\$753,261.77

The State and county taxes of 1895 amounting to \$109,675.33 were \$6,018.87 in excess of 1894.

The receipts in 1895 for corporation and other taxes from the Commonwealth of Massachusetts were as follows:—

Corporation taxes,	\$61,477.29	
National bank taxes,	3,552.13	
Ships in foreign trade,	1,054.20	\$66,083.62

The amount due from the State for corporation taxes not yet collected is \$3,728.81.

Of the sum received from the Commonwealth as shown above, \$10,000.00 was applied to the usual five per cent.

discount, \$43,000.00 to the general appropriations of 1895 and the balance was placed to the credit of unappropriated funds, as shown by the treasurer's report.

Respectfully submitted,

JAMES H. HATHAWAY,

Collector of Taxes.





ANNUAL REPORT  
OF THE  
CITY TREASURER  
FOR THE YEAR 1895.



# REPORT.

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CITY OF NEW BEDFORD.

TREASURER'S OFFICE,

January 11, 1896.

*To the City Council.*

GENTLEMEN :—In accordance with the provisions of the the ordinances of the city I herewith most respectfully present my account for the year 1895.

JAMES H. HATHAWAY,

City Treasurer.

## RECEIPTS.

Balance January 11, 1895,		\$179,395.66
APPROPRIATIONS, GENERAL, 1889.		
From Collector, taxes of 1889,		33.51
APPROPRIATIONS, GENERAL, 1890.		
From Collector, taxes of 1890,		39.56
APPROPRIATIONS, GENERAL, 1891.		
From Collector, taxes of 1891,		138.84
APPROPRIATIONS, GENERAL, 1892.		
From Collector, taxes of 1892,		502.93
APPROPRIATIONS, GENERAL, 1893.		
From Collector, taxes of 1893,		5,697.60
APPROPRIATIONS, GENERAL, 1894.		
From Collector, taxes of 1894,		11,060.49
APPROPRIATIONS, GENERAL, 1895.		
From Collector, taxes of 1895, under dis-		
count,	\$643,586.44	
From Collector, taxes of 1895, since October		
15, 1895,	9,286.93	
From State Treasurer, part of Corporation		
tax, as per order of City Council,	43,000.00	
From State Treasurer, part of Corporation		
tax, for discount of 5 per cent, as per order		
of Council,	10,000.00	705,873.37
APPROPRIATIONS, SPECIAL, 1894.		
From sale of sewer bonds, 4s, due April 1,		
1925,	58,000.00	
From sale of improvements, 4s, due April 1,		
1905,	24,000.00	82,000.00
CEMETERIES—CARE OF LOTS.		
From sundry persons for care of lots,		4,265.56
CEMETERIES—SALE OF LOTS.		
From sundry persons for burial rights,		4,593.00
CEMETERY FUND.		
From sundry persons for perpetual care of lots,		800.00

## COMMONWEALTH OF MASSACHUSETTS, CHAP. 301.

From State Treasurer, disbursements for 1894,	9,274.50
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## COMMONWEALTH OF MASSACHUSETTS, CHAP. 279.

From State Treasurer, $\frac{1}{2}$ disbursements for 1894,	1,330.00
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## COMMONWEALTH OF MASSACHUSETTS, CHAP. 395.

From State Treasurer, burial soldiers,	105.00
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## COMMONWEALTH OF MASSACHUSETTS, CHAP. 447.

From Treasurer, Taunton Lunatic Hospital, amount returned,	34.36
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## FREE PUBLIC LIBRARY.

From amount returned, twice audited,	24.25
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## FREE PUBLIC LIBRARY—DOG FUND.

From County Treasurer, $\frac{1}{2}$ amount received		
from dog licenses,	1,220.94	
Amount returned, error audit,	6.00	1,226.94

## FREE PUBLIC LIBRARY—TRUSTEES.

From Permanent Debt, interest on trust funds,	3,726.00	
Amounts returned, error in audit,	8.67	3,734.67

## HIGHWAYS AND STREETS.

From amounts returned, error in audit,	33.03
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## INCIDENTALS.

From amounts returned, twice audited,	64.00
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## PARK COMMISSION.

From Highways and Streets, labor,	53.30	
From rent stands, Common, July 4,	8.75	
From error in pay roll,	5.48	
From amount returned, twice audited,	5.33	
From sale of hay, Buttonwood park,	20.00	
From labor on walk, near Brooklawn,	50.00	
From sale of tree limbs,	2.00	144.86

## PERMANENT DEBT.

From Sinking Fund Commissioners to pay		
$3\frac{1}{2}$ per cent bonds, due April 1st,	80,000.00	
From accrued interest on bonds sold,	53.55	
From water rates, to pay bonds and interest,	42,000.00	122,053.55



## REAL ESTATE TAX ACCOUNT.

From sundry persons, to redeem real estate sold for non-payment of taxes,	495.16
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## SINKING FUNDS.

From premium received sale of \$58,000 sewer bonds, 4s, at \$107.327,	4,249.66	
From premium received, sale of \$24,000 im- provement bonds, 4s, at \$103.143	754.32	5,003.98

## SCHOOL COMMITTEE.

From permanent debt, interest on trust funds,	3,060.00
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## SCHOOLS—DOG FUND.

From County Treasurer, $\frac{1}{2}$ amount received from dog licenses,	1,220.93
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## SCHOOLS—INCIDENTALS.

From amount returned, error in audit,	1.65
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## SCHOOLS—PAY OF TEACHERS.

From amount returned, error in audit,	.10
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## TEMPORARY LOAN.

From N. B. Five Cents Savings bank, notes due Nov. 1, 1895, at $3\frac{3}{4}\%$ per cent,	100,000.00	
From Morgan and Bartlett, New York, note due Nov. 1, 1895, at $2\frac{3}{4}\%$ per cent,	100,000.00	
From Brewster, Cobb & Estabrook, note due Nov. 1, 1895, at $2\frac{3}{4}\%$ per cent,	100,000.00	
From N. B. Institution for Savings, note due Nov. 1, 1895, at 3 per cent,	80,000.00	
From N. B. Institution for Savings, note due, Aug. 1, 1896, at $4\frac{7}{8}\%$ per cent,	60,000.00	440,000.00

## UNAPPROPRIATED FUNDS.

From sundry persons, and departments, labor, and material furnished by Board of Public Works,	45,856.58
From sundry persons, care of cemetery lots, (under old ordinance,)	2,840.56
From Collector, costs and interest, taxes,	1,665.19
From Collector, collecting state bank tax,	425.85
From Collector, betterment taxes,	15,596.52
From Collector, sewer taxes,	4,865.78

From Committee on City Property, sale of two houses, extension of Mill street, 1,120.00	
From less auctioneers commission, 56.00	1,064.00
From sale of gas fixtures,	1.50
From sale of powder house,	58.76
From sundry persons, labor and material furnished by Engineering Department,	4.00
From Fire department, bills as follows :	
Sale of coal,	17.15
Sale of old hose,	158.00
Care of Police signal service,	875.00
Sale of dressing to Poor department,	531.62
From the several banks, interest on deposits,	1,662.42
From Board of Health, salary of Inspector, furnished by Police department,	1,001.00
From licenses, fees, and fines, enter sewers,	950.00
From Board of Health, pig licenses,	65.00
From Board of Health, slaughter house licenses,	2.00
From City Clerk, licenses,	1,514.00
From City Clerk, fees,	869.70
From House of Correction, fines,	3,238.04
From Third District Court, fines,	4,859.31
From County Treasurer, travel, and court expenses,	42.48
From Inspector, milk licenses,	140.00
From liquor licenses, (less $\frac{1}{4}$ to state),	63,853.25
From pedlers licenses,	300.00
From Sealer of Weights and Measures, fees,	285.62
From Police department, sale of dressing to Poor department,	42.20
From sundry Poor Department, bills :	
Sale of farm products,	261.00
Sale of hay, to Police department,	103.50
Sale of hay, to Fire department,	842.70
State Treasurer, temporary support and burials,	4,044.48
County Treasurer, board of child almshouse,	67.00
Cities and towns,	2,960.16
Sundry persons,	1,672.98
From premium on temporary loan,	37.50
From rents, City Hall,	116.00
From state, Armories,	1,200.00
From county, Court room,	625.00
From Veteran Firemen,	75.00

From School department, tuition non-resident pupils,	849.13	
From sale of books, &c.,	72.09	
From State Treasurer, balance of corporation tax, 1894,	12,506.14	
From tax on ships in foreign trade,	1,054.20	
From bank tax,	3,449.27	
From sundry sources :		
Amounts returned, twice audited,	112.45	
Amounts unclaimed, pay rolls,	17.75	
C. E. Taber, amount returned for assistance rendered under state aid law,	13.00	
Conscience fund,	1.25	
Use of mileage book,	18.00	182,884.13

## WATER WORKS.

From sundry sources, as follows :

Fines,	100.00	
Mains,	2,384.00	
Sale and repairs of meters,	715.00	
Mill piping,	206.80	
Rates,	86,569.55	
Sale of hay,	95.00	
Services,	2,428.69	
Shop work,	18.74	
Incidentals,	216.92	92,734.70

## WATER WORKS—FURTHER SUPPLY.

From sale of wood,	475.00	
From sale of land,	1,000.00	1,475.00

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\$1,859,301.33

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## EXPENDITURES.

The payments for the year have been as follows :

Board of Health,	\$16,915.86
Commonwealth of Mass., chap. 279, (aid to soldiers and sailors,)	2,977.79
Commonwealth of Mass., chap. 447, (aid to soldiers and sailors,)	4,737.97
Commonwealth of Mass., chap. 301, (aid to soldiers and sailors,)	9,307.50
Commonwealth of Mass., chap. 395, (aid to soldiers and sailors,)	245.00
Committee on city property,	8,646.11
Cemeteries,	19,186.62
Cemeteries, account sale of lots,	5,661.14
Coggeshall street bridge,	3,012.50
Court judgments,	541.71
Dredging docks,	2,082.00
Engineering department,	9,253.76
Engine and boiler house, city stables,	1,500.00
Elections,	4,305.27
Engineering department, grade crossings,	517.92
Fire department,	75,672.58
Highways and streets,	137,586.11
Highways and streets, crusher plant,	9,173.00
Incidentals,	37,468.88
Incidentals, July 4th,	3,556.20
Lighting the streets,	44,646.76
License Commission,	556.01
Library,	7,274.40
Library catalogues,	1,482.60
Library—Dog fund,	915.33
Library Trustees, (trust funds,)	4,360.79
Land damages, widening Fourth street,	18,283.10
Land damages, widening Brock avenue,	4,452.67
N. B. & Fairhaven bridge,	2,468.61
Police department,	98,016.38
Poor department,	40,141.84
Printing, binding and stationery,	4,436.18
Permanent debt,	216,798.64
Park Commission,	21,321.17
Platting system,	285.38
Repairs of City Hall,	15,143.32
Real estate tax account,	285.95

Salaries,	23,112.34	
Schools — Incidentals,	41,755.53	
Pay of teachers,	108,455.11	
Committee, (trust funds,)	2,843.37	
Buildings,	9,377.87	
Dog fund,	1,130.25	
Manual Training,	238.54	
Fourth street schoolhouse,	168.39	
Fourth street, heating apparatus,	800.00	
Acushnet avenue, additional heating apparatus,	1,025.00	
Kempton street schoolhouse and lot,	390.68	
Clark street schoolhouse,	13,617.18	
Phillips avenue schoolhouse,	5,615.32	
Phillips avenue schoolhouse lot,	3,889.41	
Sewers — General account,	19,465.65	
Coffin avenue, No. 2,	10,018.35	
Court street, No. 4,	704.79	
Jouvette street,	698.14	
Beetle street, No. 3,	1,219.85	
Morton court,	375.51	
Pierce street,	293.21	
North street, No. 6,	228.63	
Atlantic street,	240.04	
Davis street and Riverside avenue,	1,888.15	
Morgan and Ash streets,	614.21	
Thompson street,	1,622.20	
Butler street,	824.60	
Vera brook,	762.14	
Arch street,	235.25	
Belleville avenue, No. 6,	549.48	
Mill street, No. 6,	251.89	
Acushnet avenue,	1,532.74	
Belleville avenue, No. 7,	431.96	
Mill street, No. 7,	148.29	
Vine street,	1,470.85	
Phillips avenue schoolhouse drain,	235.94	
Scott street,	266.00	
Coggeshall street, No. 4,	344.36	
Special appropriations, 1894,	75,000.00	
Sinking funds,	69,803.98	
Temporary loan,	380,000.00	
Water Works,	124,315.56	
Water Works, further supply,	100,342.93	\$1,839,520.74
To balance,		19,780.59
		<hr/>
		\$1,859,301.33

# STATEMENT OF TRUST FUNDS HELD BY THE CITY.

## New Bedford School Committee :

One-half Sylvia A. Howland bequest, invested in Water Works, Construction account, at 6 per cent.,	\$50,000.00
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## Free Public Library, Trustees' account :

One-half Sylvia A. Howland bequest, invested same as the above,	50,000.00
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\$100,000.00

## Free Public Library, Trustees' account. (Held as cash in the treasury) :

George Howland, Jr., gift at 6 per cent.,	\$1,600.00	
Charles W. Morgan bequest, at 6 per cent.,	1,000.00	
Oliver Crocker bequest, at 6 per cent.,	1,000.00	
James B. Congdon gift, at 6 per cent.,	500.00	
George O. Crocker bequest, at 4 per cent.,	10,000.00	
Charles L. Wood library fund, at 4 per cent.,	2,000.00	16,100.00

## Cemetery Funds, perpetual care of lots. (Held as cash in the treasury at 6 per cent.) :

Balance Jan. 7, 1895,	\$25,934.93
Receipts during year, (old ordinance,)	800.00

## Cemetery Funds, (deposited in savings bank) :

Balance Jan. 7, 1895,	1,700.00	
Receipts during the year,	1,775.00	30,209.93

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\$146,309.93





ANNUAL REPORT

OF THE

Sinking Fund Commissioners

OF THE

City of New Bedford,

FOR

THE YEAR 1895.



# REPORT

## OF THE

### TREASURER OF THE SINKING FUND.

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CITY OF NEW BEDFORD.

TREASURER'S OFFICE,

January 6, 1896.

*To the Commissioners of Sinking Funds of the City of  
New Bedford.*

GENTLEMEN :—Herewith I present the statement of my account as Treasurer of the Sinking Funds for the year ending at this date.

On the first of April, next, the Commissioners will be required to pay to the City Treasurer \$25,000 to enable the city to provide for maturing bonds issued in 1886 and secured by sinking funds ; this we shall be able to do with ease as there is now a small sum in excess of \$25,000 standing to the credit of that account.

During the year, by vote of the board, \$50,000 Boston and Lowell railroad bonds and \$75,000 Old Colony railroad bonds were disposed of at a much larger premium than was paid for them, from the proceeds of which \$80,000 was paid to the city for maturing bonds, and the balance applied to the purchase of municipal bonds as an investment as shown in my statement to you.

## APPROPRIATIONS

By the City Council and Water Board to reduce municipal debt for the year, including other receipts and value of sinking funds January 1, 1895.

Sinking funds, January 1, 1895, \$367,836.50

For \$30,000, Sewer bonds, April 1, 1886, 20 years,	\$1,200.00
\$30,000 Sewer bonds, October 1, 1886, 20 years,	1,200.00
\$15,000 Sewer bonds, April 1, 1887, 20 years,	600.00
\$35,000 Improvement bonds, April 1, 1887, 10 years,	2,800.00
\$15,000 Improvement bonds, April 1, 1888, 10 years,	1,200.00
\$35,000 Sewer bonds, April 1, 1888, 20 years,	1,400.00
\$43,000 Sewer bonds, April 1, 1889, 20 years,	1,720.00
\$62,000 Improvement bonds, April 1, 1889, 10 years,	4,960.00
\$48,000 Sewer bonds, April 1, 1890, 20 years,	1,920.00
\$25,000 Improvement bonds, April 1, 1890, 10 years,	2,000.00
\$57,000 Sewer bonds, April 1, 1891, 20 years,	2,280.00
\$73,000 Improvement bonds, April 1, 1891, 20 years,	5,840.00
\$100,000 Sewer bonds, April 1, 1892, 20 years,	4,000.00
\$50,000 Improvement bonds, April 1, 1892, 10 years,	4,000.00
\$100,000 Park loan, June 1, 1892, 50 years,	1,000.00
\$108,000 Sewer bonds, April 1, 1893, 20 years,	4,320.00
\$62,000 Improvement bonds, April 1, 1893, 10 years,	12,960.00
\$20,000 Water bonds, April 1, 1888, 30 years,	600.00
\$32,000 Sewer bonds, April 1, 1894, 20 years,	1,200.00

1896.

## SINKING FUNDS.

189

\$89,000 Improvement bonds, April 1, 1894, 10 years,	7,120.00	
\$120,000 Water bonds, April 1, 1894, 30 years,	2,100.00	
\$200,000 Water bonds, gold, Dec. 15, 1894, 30 years,	4,000.00	
\$58,000 Sewer bonds, April 1, 1895, 30 years,	1,160.00	
\$24,000 Improvement bonds, April 1, 1895, 10 years,	1,920.00	71,500.00
Premium from sale \$50,000 Boston & Lowell bonds at \$102.97,	1,485.00	
Interest accrued,	277.78	1,762.78
Premium from sale \$57,000 Old Colony bonds at \$106.27,	3,573.90	
Interest accrued,	544.67	4,118.57
Premium from sale \$18,000 Old Colony bonds at \$105.90,	1,062.00	
Interest accrued,	204.00	1,266.00
Premium on New Bedford Sewer bonds,	4,249.66	
Premium on New Bedford Improvement bonds,	754.32	5,003.98
Interest on investment,		12,298.96
		<u>\$463,786.79</u>

## PAYMENTS.

To City Treasurer, bonds matured,	\$80,000.00	
Premiums paid on bonds purchased,	9,076.41	
Interest accrued on bonds purchased,	1,509.54	90,585.95
Sinking funds, net,		<u>\$373,200.84</u>

## TRANSACTIONS IN 1895.

Value of bonds Jan. 1, 1895,		\$367,836.50
Old Colony Railroad bonds sold,	\$57,000.00	
Old Colony Railroad bonds sold,	18,000.00	
Boston & Lowell Railroad bonds sold,	50,000.00	
Attleboro bonds matured,	16,000.00	141,000.00
		<u>\$226,836.50</u>

## BONDS PURCHASED.

City of Lynn 4s, due Oct. 1, 1923, at $107\frac{1}{8}$ ,	\$1,000.00
City of Haverhill 4s, due Oct 1, 1921, at $107\frac{1}{4}$ ,	17,000.00



City of Waterbury 4s, due Jan.			
1, 1919, at $105\frac{3}{8}$ ,	15,000.00		
City of Brockton 4s, due Dec. 15,			
1923, at $106\frac{5}{8}$ ,	16,000.00		
City of Haverhill 4s, due Oct. 1,			
1921, at $107\frac{5}{8}$ ,	3,000.00		
City of Haverhill 4s, due Dec. 1,			
1922, at $107\frac{7}{8}$ ,	5,000.00		
City of Brockton 4s, due Dec.			
15, 1923, at $106\frac{5}{8}$ ,	2,000.00		
City of Brockton 4s, due April			
1, 1924, at $106\frac{5}{8}$ ,	7,000.00		
City of Malden 4s, due May 2,			
1924, at $107\frac{3}{8}$ ,	5,000.00		
City of Malden 4s, due May 2,			
1925, at 108,	20,000.00		
City of Lynn 4s, due Jan. 1, 1922,			
at $107\frac{1}{2}$ ,	5,000.00		
City of New Britain 4s, due Aug.			
1, 1908, at $103\frac{7}{8}$ ,	22,000.00		
City of Grand Rapids $4\frac{1}{2}$ s, due			
Oct. 1, 1913, at $111\frac{7}{8}$ ,	5,000.00		
City of Taunton 4s, due June 1,			
1905, at $104\frac{1}{8}$ ,	11,125.00		
City of Taunton 4s, due June 1,			
1915, at $107\frac{1}{8}$ ,	1,000.00		
City of Lynn 4s, due April 1,			
1923, at $108\frac{1}{8}$ ,	3,000.00		
City of New Britain 4s, due Aug.			
1, 1908, at $103\frac{7}{8}$ ,	3,000.00	\$141,125.00	
Savings bank deposits,	4,150.00		
Dividends from same,	219.47	4,369.47	
Excess of deposits over 1895,		869.87	146,364.34
Value of sinking funds as above,			<u>\$373,200.84</u>

AMOUNT OF SINKING FUNDS AND LOAN SECURED BY SAME IN EACH CLASS.

CLASS.	SINKING FUND.	LOAN.	WHEN DUE.
2	\$25,990.28	\$25,000.00	April 1, 1896.
3	14,767.43	30,000.00	" 1906.
4	13,014.36	30,000.00	Oct. 1, 1906.
5	6,518.84	15,000.00	April 1, 1907.
6	30,366.37	35,000.00	" 1897.
7	11,315.15	15,000.00	" 1898.
8	13,201.00	35,000.00	" 1908.
9	5,653.31	20,000.00	" 1918.
10	13,878.81	43,000.00	" 1909.
11	40,040.61	62,000.00	" 1899.
12	13,009.03	48,000.00	" 1910.
13	13,551.20	25,000.00	" 1900.
14	12,611.78	57,000.00	" 1911.
15	32,303.94	73,000.00	" 1901.
16	17,392.80	100,000.00	" 1912.
17	17,392.80	50,000.00	" 1902.
18	3,211.63	100,000.00	" 1942.
19	13,874.24	108,000.00	" 1913.
20	41,622.78	162,000.00	" 1903.
21	2,528.47	32,000.00	" 1914.
22	15,002.31	89,000.00	" 1904.
23	4,424.83	120,000.00	" 1924.
24	8,428.27	200,000.00	Dec. 15, 1924.
25	1,167.76	58,000.00	April 1, 1925.
26	1,932.84	24,000.00	" 1905.
	\$373,200.84	\$1,556,000.00	

Respectfully submitted,

JAMES H. HATHAWAY,  
Treasurer of the Sinking Fund.

REPORT  
OF THE  
COMMISSIONERS OF SINKING FUNDS.

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NEW BEDFORD, MASS.,

February 15, 1896.

*To the City Council of the City of New Bedford:*

GENTLEMEN:—At a meeting of the Commissioners of Sinking Funds of the City of New Bedford, held this day, it was

*Voted*, To adopt the foregoing statement of the Treasurer as the report of the Commissioners of Sinking Funds of the City of New Bedford, required by the statutes of Massachusetts to be made annually to the City Council.

MORGAN ROTCH,  
ANDREW R. PALMER,  
WILLIAM H. PITMAN,  
Commissioners.

# INDEX OF ACCOUNTS IN DETAIL.

	Page.
Appropriations, General, 1895, . . . . .	9
Appropriations, General, 1894, . . . . .	10
Appropriations, General, 1893, . . . . .	10
Appropriations, General, 1892, . . . . .	11
Appropriations, General, 1891, . . . . .	11
Appropriations, General, 1890, . . . . .	12
Appropriations, General, 1889, . . . . .	12
Appropriations, Special, 1895, . . . . .	13
Appropriations, Special, 1894, . . . . .	14
Appropriations, Special Loan, 1894, . . . . .	14
Balance of Public Property, . . . . .	135
Board of Health—Garbage, . . . . .	15
Board of Health—Incidentals, . . . . .	15
Board of Health—Salaries, . . . . .	15
Bonds, . . . . .	136
Bonds of the City of New Bedford, . . . . .	137
Cemeteries, . . . . .	16
Cemeteries—Sale of Lots, . . . . .	19
Cemetery Funds, . . . . .	20
City Treasurer's Account, . . . . .	4
Coggeshall Street Bridge—Repairs, . . . . .	51
Commonwealth of Massachusetts, chapter 279 of 1889, . . . . .	21
Commonwealth of Massachusetts, chapter 301 of 1894, . . . . .	21
Commonwealth of Massachusetts, chapter 395 of 1894, . . . . .	22
Commonwealth of Massachusetts, chapter 447 of 1890, . . . . .	23
Court Judgments, . . . . .	23
Dredging Docks, . . . . .	51
Election Fund, . . . . .	24
Engine and Boiler House, City Stables, . . . . .	52
Engineering Department, . . . . .	26
Engineering Department—Grade Crossings, . . . . .	28
Fire Department—Blacksmithing, . . . . .	33
Fire Department—Hay, Grain and Fuel, . . . . .	30
Fire Department—Horse Hire, . . . . .	31

Fire Department—Labor, . . . . .	31
Fire Department—Miscellaneous, . . . . .	33
Fire Department—Pay Rolls and Protecting Society, . . . . .	29
Fire Department—Repairs of Buildings, . . . . .	30
Fire Department—Repair of Engines, Harness, etc., . . . . .	29
Fire Department—Supplies, . . . . .	32
Free Public Library—Dog Fund, . . . . .	37
Free Public Library—Salaries, . . . . .	35
Free Public Library—Subject Catalogue, . . . . .	36
Free Public Library—Supplies, . . . . .	36
Free Public Library—Trustees, . . . . .	38
Highways and Streets—Crusher Stone, . . . . .	42
Highways and Streets—Hay and Grain, . . . . .	40
Highways and Streets—Miscellaneous, . . . . .	47
Highways and Streets—New Crusher Plant, . . . . .	50
Highways and Streets—Paving Stone, . . . . .	45
Highways and Streets—Pay Rolls, . . . . .	40
Highways and Streets—Repairs of Rollers, Crushers, etc., . . . . .	40
Highways and Streets—Supplies and Material, . . . . .	41
Highways and Streets—Teaming, . . . . .	40
Incidentals—Advertising, . . . . .	54
Incidentals—Armories and Military Property, . . . . .	54
Incidentals—Assessors, . . . . .	54
Incidentals—Birth, Marriage and Death Returns, . . . . .	55
Incidentals—Damages, Legal Expenses, etc., . . . . .	55
Incidentals—Elections, 1894, . . . . .	56
Incidentals—Fourth of July, . . . . .	56
Incidentals—Janitors, . . . . .	58
Incidentals—Labor and Cleaning, . . . . .	58
Incidentals—Layout of Elm Street, . . . . .	58
Incidentals—Layout of Mill Street, . . . . .	59
Incidentals—Layout of Thompson Street, . . . . .	59
Incidentals—Lights and Fuel, . . . . .	59
Incidentals—Memorial Day, . . . . .	59
Incidentals—Miscellaneous, . . . . .	60
Incidentals—Rifle Range, . . . . .	59
Interest as Payable Yearly, . . . . .	138
Kempton Street Schoolhouse and Lot, . . . . .	64
Land Damages Widening Brock Avenue, . . . . .	52
Land Damages Widening Fourth Street, . . . . .	53
Land Damages Widening Union Street, . . . . .	53
License Commission, . . . . .	65
Lighting the Streets—Arc Lights, . . . . .	66
Lighting the Streets—Gas Lights, . . . . .	66
Lighting the Streets—Globe Lights, . . . . .	66

Lighting the Streets—Incandescent Lights, . . . . .	66
Lighting the Streets—Sundries, . . . . .	66
New Bedford and Fairhaven Bridge, . . . . .	67
New Bedford School Committee (Howland Fund), . . . . .	68
New Bedford School Committee (Jonathan Bourne Prize Fund), . . . . .	70
New Bedford Water Works, . . . . .	70
New Bedford Water Works—Further Supply, . . . . .	71
New Bedford Water Works (as Public Property), . . . . .	135
Park Commission, . . . . .	72
Permanent Debt, . . . . .	74
Platting System, . . . . .	75
Police Department, . . . . .	76
Poor Department—Almshouse, . . . . .	85
Poor Department—Burials, . . . . .	83
Poor Department—Cities and Towns, . . . . .	84
Poor Department—Clothing and Supplies, . . . . .	83
Poor Department—Fuel, . . . . .	83
Poor Department—Grain and Provisions, . . . . .	85
Poor Department—Groceries, . . . . .	80
Poor Department—Incidentals, . . . . .	83
Poor Department—Salaries, . . . . .	80
Poor Department—State Hospitals, . . . . .	84
Printing, Binding and Stationery, . . . . .	88
Public Property, other than Water Works, . . . . .	135
Public Schools—Books and Stationery, . . . . .	89
Public Schools—Dog Fund . . . . .	109
Public Schools—Janitors, Day and Evening, . . . . .	89
Public Schools—Manual Training School, . . . . .	110
Public Schools—Miscellaneous, . . . . .	92
Public Schools—Office Salaries, . . . . .	89
Public Schools—Pay of Teachers, . . . . .	94
Public Schools—Repairs of Buildings, . . . . .	105
Public Schools—Repairs of Heating Apparatus, . . . . .	90
Public Schools—Repairs of Schoolhouses, . . . . .	89
Public Schools—Supplies, . . . . .	90
Real Estate Tax Account, . . . . .	110
Repairs of City Hall, . . . . .	113
Repairs of City Property, . . . . .	111
Salaries, . . . . .	117
Schedule of City Property, . . . . .	140
Schoolhouse, Acushnet Avenue, Heating, . . . . .	115
Schoolhouse, Clark street, . . . . .	115
Schoolhouse, corner Fourth and Madison streets, . . . . .	116
Schoolhouse, corner Fourth and Madison streets—Heating, . . . . .	116
Schoolhouse, Phillips avenue and Bowditch street, . . . . .	114



Schoolhouse Lot, Phillips avenue and Bowditch street, . . . . .	114
Sewers—General Account, . . . . .	119
Sewers—Acushnet avenue, . . . . .	120
Sewers—Arch street, . . . . .	121
Sewers—Atlantic street, . . . . .	121
Sewers—Beetle street, No. 2, . . . . .	122
Sewers—Belleville avenue, No. 6, . . . . .	122
Sewers—Belleville avenue, No. 7, . . . . .	123
Sewers—Butler street, . . . . .	123
Sewers—Coffin avenue, No. 2, . . . . .	124
Sewers—Coggeshall street, No. 4, . . . . .	125
Sewers—Court street, No. 4, . . . . .	125
Sewers—Davis street, . . . . .	126
Sewers—Jouvette street, . . . . .	126
Sewers—Mill street, No. 6, . . . . .	127
Sewers—Mill street, No. 7, . . . . .	127
Sewers—Morgan and Ash streets, . . . . .	128
Sewers—Morton court, . . . . .	128
Sewers—North street, No. 6, . . . . .	129
Sewers—Phillips avenue, . . . . .	129
Sewers—Pierce street, . . . . .	129
Sewers—Scott street, . . . . .	130
Sewers—Thompson street, . . . . .	130
Sewers—Vera brook, . . . . .	131
Sewers—Vine street, . . . . .	131
Sinking Funds, . . . . .	132
Sinking Fund Commissioners, . . . . .	136
Temporary Loan, . . . . .	132
Trust Funds, . . . . .	133
Unappropriated Funds, . . . . .	134
<hr/>	
Auditor's Balance Sheet, . . . . .	144
Taxes and Valuation since 1876, . . . . .	139
<hr/>	
Statement of City Treasurer, . . . . .	153
Statement of Trust Funds, . . . . .	163
Statement of Collector of Taxes, . . . . .	147
<hr/>	
Amount of Sinking Funds and Loans Secured by Same in Each Class, . . . . .	171
Report of Commissioners of Sinking Funds, . . . . .	172
Report of Treasurer of Sinking Funds, . . . . .	167

1895—CITY DOCUMENT No. 9.

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ANNUAL REPORT

OF THE

CHIEF OF POLICE,

OF THE

CITY OF NEW BEDFORD,

TO THE CITY COUNCIL,

FOR THE

YEAR ENDING DECEMBER 31, 1895.

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NEW BEDFORD:  
MERCURY PUBLISHING COMPANY, CITY PRINTERS.  
1896.



# REPORT.

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CITY OF NEW BEDFORD,  
OFFICE OF CHIEF OF POLICE,  
December 31, 1895.

*To the Honorable the Mayor and Gentlemen of the City  
Council.*

I herewith submit my report of the doings of the Police  
Department for the year ending December 31, 1895.

## TOTAL NUMBER OF ARRESTS, 2193.

January,	148	August,	202
February,	140	September,	171
March,	155	October,	222
April,	161	November,	175
May,	219	December,	172
June,	232		
July,	196	Total,	2193
Males,	1932	Americans,	964
Females,	261	Foreigners,	1229
Total,	2193	Total,	2193

## CLASSIFICATION OF CRIME.

Assault, indecent,	2	“ liquor with intent to	
Assault and battery,	184	sell,	11
Assault, felonious,	4	“ unlicensed dog,	3
Assault, with intent to kill,	1		
Arson,	1	License, dealing without a,	1
Adultery,	4	“ keeping petroleum	
Abortion,	1	without a,	4
Abortion, accessory to,	1	“ peddling without a,	15
Bribing voters,	1		
Breaking, entering and larceny,	26	Larceny,	94
Break and enter, attempt to,	2	Larceny, felonious,	6
Bastardy,	11	Maintaining a lottery,	1
Begging,	1	Malicious mischief,	25
Carrying slung shot,	1	Mutilating tombstones,	1
Cruelty to animals,	4		
Contempt of court,	11	Night walking,	2
		Non support,	32
		Neglected children,	2
Drunkenness,	1352		
Disturbing the peace,	209	Obstructing sidewalk,	1
Detaining sailor's clothing,	1	Obstructing an officer,	2
Dipsomaniacs,	1	Obtaining goods under false	
		pretense,	1
Embezzlement,	8		
Escaped prisoners,	5	Polygamy,	2
Evading car fare,	1	Passing worthless checks,	1
		Perjury,	1
Fornication,	1	Poisoning hens,	1
Firing off firecrackers,	2		
		Rape,	2
Gambling,	8	Rape, attempt at,	1
		Receiving stolen goods,	2
Highway robbery,	2		
		Selling mortgaged property,	1
Idle and disorderly,	15	Selling cigarettes to minors,	1
Insane,	36	Selling liquor to minors,	2
Indecent exposure,	3	Stubborn children,	8
Impersonating an officer,	1	Subornation of perjury,	2
		Setting fires in woods,	1
Keeping disorderly house,	16		
“ common nuisance,	5	Threatening bodily harm,	2
“ liquor nuisance,	2	Tramps,	3

1895.

## POLICE REPORT.

5

Throwing stones at railroad trains,	5	Violating city ordinances,	9
		“ Lord’s day,	2
Uttering forged order,	1	“ butterine law,	1
		“ lottery law,	1
Vagrants,	13	“ bicycle law,	7

## NATIVITY OF PRISONERS.

United States,	964	Poland,	4
British provinces,	20	St. Helena,	1
Canada,	240	South America,	1
Ireland,	361	Syria,	2
England,	338	Finland,	6
Germany,	28	West Indies,	2
Italy,	10	Russia,	22
Portugal,	109	Wales,	5
Sweden,	12	Spain,	3
Scotland,	48	Bohemia,	3
Denmark,	1	Japan,	2
Norway,	8		—
Austria,	3		2193

## LODGERS.

## TOTAL NUMBER OF LODGERS, 1913.

Males,	1906	Americans,	1093
Females,	7	Foreigners,	820
	1913		1913
Residents,	8	Minors,	56
Non residents,	1905		

## NATIVITY OF LODGERS.

United States,	1093	Sweden,	5
British Provinces,	34	Scotland,	54
Canada,	62	Norway,	2
Ireland,	392	Switzerland,	1
England,	243	Poland,	1
France,	3	Wales,	7
Germany,	9	Russia,	1
Italy,	4		—
Denmark,	1	Total,	1913
Portugal,	1		



## PRIMARY DISPOSITION OF CASES.

Paid fines,	753
Committed penal institutions,	931
Continued,	268
Continued on probation,	114
Probably guilty,	29
Released without arraignment by order of the court,	25
Nolle prossed,	30
Defaulted,	5
Not guilty and discharged,	14
Delivered to Superior court,	7
"    "    out of town officers,	10
"    "    state board lunacy and charity,	1
"    "    Superintendent Dipsomania Hospital,	1
"    "    "    alms house,	1
Carried home sick by permission of the court,	1
Sent to alms house sick,	1
Bailed to appear to Superior court,	1
Laid on file,	1
	<hr/>
	2,193

## MISCELLANEOUS BUSINESS.

Amount of property reported stolen in the city,	\$5,424.79
Amount of property reported recovered,	4,556.17
Accidents reported,	90
Boxes found open,	8
Buildings found open and secured,	210
Court attendance,	1209
Cases investigated,	3446
Cattle impounded 65, horses 6,	71
Dangerous buildings reported,	1
"    dogs    "	14
"    wires    "	50
Defective police boxes    "	136
"    lamps    "	60
"    streets and sidewalks reported,	622
"    gas pipes, reported,	4
"    hydrants    "	2
"    water pipes.    "	14
Dead bodies found,	5
Disturbances suppressed,	531

Dogs killed,	38
Dog notices served,	327
Fire alarms given,	21
Fires extinguished without alarm,	30
Horses killed,	2
Intoxicated persons helped home,	61
Lost children found and returned,	289
Liquor search warrants served,	20
Notices served,	95
Street obstructions reported,	107
Street obstructions removed,	117
Stray teams put up,	63
Sick and injured persons assisted,	76
Water running to waste,	251
Horses found cast,	64
Electric street lights out,	605
Gas       "       "       "	365
Naptha   "       "       "	1946
Extra hours duty,	2488
Complaints made and recorded (at police headquarters)	501

## AMOUNT RECEIVED FROM THIRD BRISTOL COURT FEES.

1894.		1895.
\$1,025.35	Quarter ending March 31,	\$1,165.75
1,037.17	Quarter ending June 30,	1,775.75
1,207.26	Quarter ending September 30,	1,847.71
1,179.20	Quarter ending December 31,	1,373.01
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\$4,448.98	From house of correction, fines,	\$6,162.22
355.00	Quarter ending March 31,	295.33
320.00	Quarter ending June 30,	505.00
313.61	Quarter ending September 30,	544.80
249.00	Quarter ending December 31,	590.00
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\$5,686.59	Total,	\$8,097.35

An increase over last year of \$2410.76.

As the department receives no financial credit, and it is received through the work of the department I place it under the head of miscellaneous business; the amount is turned in to unappropriated funds.

## THE DEPARTMENT.

The department, at the present time, consists of a chief, two captains, eight lieutenants, two inspectors, one clerk, sixty-five patrolmen, one health officer, one emergency officer, two wagonmen, two drivers, nine housekeepers, one matron, and one janitor, a total of ninety-six.

## RE-INSTATED.

January 31, George Douglass was re-instated chief of police, and on February 9, took the oath of office and resumed charge of the force. March 11, Patrolman Arthur H. Jones was re-instated lieutenant of police.

## CHANGES.

January 15, Patrolman John Telford and Charles H. Taber resigned from the force pending a hearing on the same date.

March 18, Wagonman John W. Brady died, having served the city faithfully for a period of ten years, two months and twelve days.

March 25, Patrolman George W. Paige was assigned as wagonman at the patrol station to fill the vacancy, caused by the death of wagonman John W. Brady.

April 15, Patrolman Daniel J. Humphrey was appointed housekeeper, and assigned to duty at station 3.

July 15, Driver Robert B. McEnnis was transferred to night patrol duty.

July 15, William W. Atwood was appointed driver to fill the position made vacant by the transfer of Robert B. McEnnis.

## APPOINTMENTS.

July 5, the following named persons, having served a probationary period of six months, as required by the civil service rules of the Commonwealth, were permanently appointed police officers of the city, viz: William Almond, Jr., James W. Savage, Patrick Kenney, John D. Sullivan, Daniel D. McLeod, William J. Cowing, Harrison D. Ricketson, Harry D. Stow, Charles F. Smith, Chancellor Kent, and Robert B. McEnnis.

July 5, the following were appointed police officers for a probationary period of six months under the civil service rules, viz: Frank L. Remington, Frank W. Sylvia, John J. Hutchinson, and Jeremiah E. Daley.

July 15, William W. Atwood was appointed driver and assigned to night duty at the patrol station.

August 3, John H. Pollock was appointed janitor of the central police station and court room in place of Moses C. Drew, removed.

### ASSIGNMENT OF THE FORCE.

First Relief, 1 captain, 1 lieutenant, 2 inspectors, 1 emergency officer, 18 patrolmen, 1 wagonman, 1 driver, 5 housekeepers.

Second Relief, 1 captain, 4 lieutenants, 28 patrolmen, 1 wagonman, 1 driver, 5 housekeepers.

Third Relief, 3 lieutenants, 19 patrolmen, 1 wagonman, and 1 driver (wagonman and driver same as on second relief.)

## ROSTER OF THE FORCE.

CHIEF,

GEORGE DOUGLASS.

CAPTAINS,

TIMOTHY C. ALLEN and JAMES L. WILBUR.

LIEUTENANTS,

LEMUEL D. ADAMS,

SETH E. BRYANT,

ELLERY PEIRCE,

THOMAS W. COMSTOCK,

THOMAS J. TAFT,

ARTHUR H. JONES,

THOMAS FAY,

JOSEPH B. WING.

INSPECTORS,

FRANKLIN L. HATHAWAY,

JOHN C. PARKER.

CLERK,

MATRON,

HENRY N. WEST.

MARGARET S. BULLARD.

ROSTER OF THE FORCE—*Continued.*

NAMES OF PATROLMEN.	YEARS SERVICE.	AGE.	Weight	Height Ft. In.
Arnett, James W.,	19	56	186	5 6
Arnett, Henry,	5	49	205	5 6
Allen, Edgar W.,	8	41	200	5 10
Allen, Edward,	2	32	205	5 9
Almond, Walter,	3	33	174	5 10
Allen, Robert N.,	1	51	165	5 9½
Almond, Jr., William,	1	25	169	5 10½
Aldrich, Oscar F.,	½	46	186	5 7½
Brownell, Milton A.,	9	40	200	5 10
Cannavan, Patrick,	21	58	175	5 6
Callanan, Thomas F.,	4	41	210	6 1
Clark, Ulysses L.,	2	37	183	6 3
Cox, James M.,	3	30	171	5 10
Cowing, William J.,	1	39	170	5 10
Dahoney, Thomas,	5	37	207	5 9
Dumec, Peter,	8	58	189	5 10
Demers, Frank E.,	3	35	199	5 8
Deneen, Daniel,	2	33	219	5 9
Dodds, James,	3	42	244	6 1
Daley, Jeremiah E.,	½	25	165	5 7½
Eldridge, Washington A.,	15	52	207	6
Enos, Frank,	2	28	176	5 9
Foley, Edmund,	2	27	195	5 11
Gendron, George E.,	9	41	292	5 9
Gifford, Charles C.,	5	50	200	5 11
Gray, Albert N.,	2	29	215	5 8
Hutchinson, John J.,	½	24	164	5 9
Ivey, James A.,	6	39	185	5 10
Kenney, Patrick,	1	41	155	5 8½
Kent, Chancellor,	1	58	208	5 7
Lee, Allen L.,	12	62	178	5 8
Mather, Joseph,	6	59	217	5 9
McBay, Charles L.,	6	36	178	5 11
Mitchell, James,	21	49	200	5 9
Moynan, Robert,	19	48	195	6 ¾
Murphy, Cornelius J.,	15	50	157	5 7
McCarthy, Jeremiah,	3	36	234	5 11
McDonnell, Patrick,	3	25	169	6 1
McEnnis, Robert B.,	1	39	160	5 9
McLeod, Samuel D.,	1	28	189	5 11½
Oliver, John F.,	2	31	218	5 10
Pinkham, George W.,	2	39	170	5 10
Rhodes, Henry W.,	8	43	152	5 9
Rooks, John C.,	9	38	278	6
Roscoe, William E.,	5	32	214	5 10
Raymond, Hiram E.,	3	41	213	5 8
Russell, Eugene F.,	2	45	270	5 11



ROSTER OF THE FORCE—*Continued.*

NAMES OF PATROLMAN.	YEARS SERVICE.	AGE.	Weight	Height Ft. In.
Remington, Frank L.,	$\frac{1}{2}$	29	179	5 8 $\frac{1}{2}$
Ricketson, Harrison D.,	1	29	183	5 10 $\frac{1}{2}$
Sisson, Joseph DeL.,	17	71	228	5 8
Sullivan, Timothy,	20	47	175	5 8
Smith, Andrew J.,	2	52	175	5 11
Sweeney, Daniel P.,	4	33	251	5 11
Savage, James W.,	1	33	191	5 11 $\frac{1}{2}$
Smith, Charles F.,	1	39	175	6
Stow, Harry D.,	1	39	178	5 11 $\frac{1}{2}$
Sullivan, John D.,	1	48	137	5 5
Sylvia, Frank W.,	$\frac{1}{2}$	29	177	5 8 $\frac{1}{2}$
Taber, Jeremiah M.,	4	37	168	5 11
Underwood, Willis C.,	2	37	198	5 10
Vogel, George,	17	57	165	5 5
Williams, John H.,	10	49	169	5 8
Wilson, Thomas H.,	9	59	175	5 7
Wixon, James A.,	24	54	155	5 7
Weston, Stephen J.,	3	44	211	5 10
Kennedy, Patrick, Emergency Officer,	12	60	186	5 8
Macomber, William E., Health Officer,	22			
Jones, John M., Wagonman,	10	52	190	5 8
Paige, George W., Wagonman,	15	49	225	5 10
Jennings, Edward F., Driver,	10	56	140	5 7
Atwood, William W., " "	1	30	175	6 2

NAMES OF HOUSEKEEPERS.	YEARS SERVICE.	AGE.	Weight	Height Ft. In.
Dayton, Luther M.,	39	70	160	5 8
Stevens, Henry,	20	60	196	5 8
Bumpus, Henry W.,	27	69	204	5 6
Humphrey, Daniel J.,	17	54	215	5 9
Russell, Elisha E.,	18	65	206	5 7
Mitchell, William H.,	11	68	169	5 9
Jones, Isaac M., Special,	26	65	165	5 10
Manchester, John B., Special,	10	58	247	5 8
Robbins, Charles H., Special,	16	73	195	5 8
Pollock, John H., Janitor,			130	

## PATROL DUTY.

The total number of patrolmen on the force at the present time available for patrol duty is 65. General patrol duty is also done by the lieutenants while supervising the patrolmen on their beats. In addition to this two special officers have been on duty at the "head of the river" during the year, on part time; although no reports have been received from, or arrests made by them during this period, a petition has been received from residents in that section for better police protection, namely, that a regular night officer be assigned for that service. The northwest part of our city also asks for an increase in patrol service; other sections of our city could be improved in this direction.

As in other cities members of the department are allowed a vacation of fourteen days each, annually. This has amounted the past year to 1150 days: sick absence (half pay) 550 days; absence with leave (without pay) 50 days, a total of 1750 days; extra service performed by the force, 311 days. Special officers have been employed 1100 days. These figures are approximately correct.

Considering the extent of our territory, the many calls for police service, the requests from our citizens who live in unprotected sections for patrol service, I would recommend an increase in the force.

It seems to me that some provision should be made for members of the force who have served the city faithfully for years, and by reason of age have become incapacitated for regular service. Some cities have established a "veteran reserve force," who are required to do 5 hours service daily, and the lighter work of the department is given them.

The pay of the patrolmen is established as follows: 1st. year's service \$2.00 per day (six patrolmen); 2nd year's

service, \$2.50 per day (11 patrolmen); 3rd year's service, \$2.62½ per day (23 patrolmen); 5 year's service, \$2.75 per day (27 patrolmen.) Wagonmen and drivers, same pay. House keepers \$2.00 per day (except in two instances.)

The latter positions are filled by the older members of the force, or specials who have served the city for years. Ex-captain Luther M. Dayton (now house keeper) has served the city 39 years. Seven patrolmen have served between 20 and 30 years. Six patrolmen have served between 15 and 20 years. Two patrolmen have served between 10 and 15 years. Thirteen patrolmen have served between 5 and 10 years. Average service of the patrolmen, 6 years; average age, 41 years; average weight, 192 pounds; average height, 5 feet, 10 inches; oldest patrolman, 71 years; heaviest patrolman, 292 pounds; tallest patrolman, 6 feet, 3 inches.

### INSPECTION AND PARADE.

The second inspection and parade of the department (the first inaugurated in 1893, under the administration of Mayor Brock) occurred Oct. 23. The column, consisting of Hill's New Bedford Band, 25 pieces, chief, two captains, eight lieutenants, sixty-five patrolmen, one wagonman, two drivers, patrol wagon and prisoner's van, formed on Second street, right resting on Union, and marched to City Hall park for inspection. It then marched through the principal streets, passing in review at the library building, his Honor Mayor Parker, Mayor Green of Fall River, Superintendent of Police Eldridge of Boston, Chief of Police Evans of Taunton, Committee on Police Aldermen Taylor and Bentley, and other invited guests occupying the reviewing stand. The force wore their service stripes as recommended by Mayor Parker, and recently provided

for by police rules and regulations. I quote from the "Evening Standard" as follows: "As each section passed in review its chief saluted, and the salute was acknowledged by Mayor Parker. The alignment and distances were splendidly observed. The blue coats marched like veterans. The parade was eminently creditable to the city, the chief, and the entire police department."

I would recommend its annual observance.

### STATION HOUSES.

The central station house (police headquarters) is entirely inadequate for the needs of the department, hardly a room being large enough for the purposes for which they are used. A change in the partition between the instrument room and the main office would afford temporary relief, and a means of facilitating the business of the department, and a great convenience to the officer in charge.

One of the cells in the cell room should be padded, in which to safely confine persons suffering from delirium, or awaiting commitment to the insane assylum.

While the police alarm (2-2-2 struck four times on the fire alarm) is a great convenience to call out the *entire* force in cases of extreme emergency, many exigences arise during the year in which extra officers could be used to advantage were they in immediate call. For occurrences of this nature a detail from the night relief not on patrol duty, is usually made and held as a reserve force; said reserve force being "on call" at headquarters in sleeping rooms provided for that purpose. As we have no room, or any convenience whatever, for a reserve force, we are thus placed at a great disadvantage in this respect. In order to get the very best work from the department, and have it always ready to immediately respond to any emer-

gency that may arise, it is important that a building adapted to its needs be provided for its use in the near future.

Stations 2, 4, and 5 are in fairly good condition, and excepting some slight alterations and changes in the heating apparatus of the two former, to make them more comfortable during cold weather, no special outlay will be required during the year.

In regard to station 3, it is in a delapidated condition, and is not worth the yearly rent paid for the land on which it stands.

### SIGNAL SYSTEM.

Although we have a "three-wire system," it does not seem to be entirely satisfactory, as the buzzing sound which it was hoped would be obviated by this method, still continues, and at times it is quite difficult to hear. As the wires are soon to be placed underground an improvement in this respect is hoped for. The system was accepted and put in commission April 17, 1891, and although our city has increased largely in population, I am informed no new boxes have been added. The present number is fifty-two. Some new boxes are necessary, particularly if the patrol service is extended, and I would recommend the addition of four the ensuing year.

Duty calls registered, 287,523; telephone calls registered, 20,010; wagon calls registered, 1,113; total, 308,646.

### PATROL STATION.

During the year an additional sleeping room has been finished (making two rooms) for the use of the wagonman and driver. Although not as luxurious as some, it answers the purpose and is appreciated. At the suggestion



of Mayor Parker the patrol wagon has been covered, thus screening, in a measure, the prisoners from public gaze. The wagon is cumbersome and heavy, designed for two horses, and is thus unsuited for our purpose. It should be at once replaced by a more modern one.

The apparatus consists of one patrol wagon, one prisoner's van, one ambulance, one double seated carriage, one top buggy, and three horses.

### WOMAN'S LOCKUP.

The woman's lockup is still under the efficient management of Mrs. Margaret S. Bullard, whose yearly report is hereto appended.

### MATRONS REPORT.

CITY OF NEW BEDFORD,  
OFFICE OF MATRON.  
December 31, 1895.

*To George Douglass, Esq., Chief of Police:*

I submit the following report for the year ending December 31, 1895:

I have had under my direct charge during the year,

Female prisoners,	224
"    insane,	6
Lost children,	27
Lodgers,	18
A total of	<hr/> 275



I have been on duty or furnished a substitute every night during the year. I have been on duty thirty Sundays and forty week days, a total of seventy days.

The cell room is poorly ventilated and should be attended to.

Respectfully,  
MARGARET S. BULLARD,  
Matron.

### LAW ENFORCEMENT.

It has been my desire, and I have endeavored to impartially enforce the laws of the Commonwealth and the ordinances of the city; it has been the policy of the administration to have the laws enforced regardless of statistics. During the year 2193 arrests were made, an increase of 439 over the previous year. I attribute this not to an increase of crime, but to greater vigilance of the officers, and the addition to the number of patrolmen. At the Superior Court the time sentences during the year were as follows: Three to state prison of 5, 8 and 9 years, and 15 sentences to the house of correction of from 2 months to 4 years duration, amounting to 20 years and 4 months, a total of 42 years and 4 months, and several sentences to the Massachusetts reformatory not included in the above.

The receipt of anonymous complaints concerning alleged violations of the law is a source of annoyance. If citizens know of evils which should be remedied, they have two proper methods to act upon—they can go to the clerk of the court, and enter a formal complaint, or call at police headquarters and state their grievances when proper action will be taken and due secrecy observed. It generally happens, however, that anonymous writers seek revenge for private wrongs in a public manner, at the

same time screening themselves—hence if no attention is paid to their communications, they are loud in their condemnation of the inactivity of the police. Correspondence of this nature, however, is given proper consideration, although the waste basket is made the receptacle for them by most departments.

### DISCIPLINE.

The members of the force as a rule have shown a disposition to conform to the requests of their superiors, and have displayed promptness and energy in the discharge of their duties; there is, however, room for improvement, and it will be my endeavor to bring the force to a higher standard of efficiency, and I shall expect the cheerful co-operation of the ranking officers of the force to bring about this result.

### DETECTIVE WORK.

The detective branch of the department has done efficient work during the past year. The work of this branch of the police service is one requiring experience, intelligence and skill in the apprehension and pursuit of criminals, and the investigation of all sorts of complaints. Inspectors Hathaway and Parker are well versed in all matters appertaining to this work and have proven themselves to be invaluable officers. In this work they have received much valuable assistance from the members of the force.

### CLERK OF THE DEPARTMENT.

Henry N. West was appointed clerk of the department March 29, 1889, under the civil service rules; prior to this time the duties of the office were performed by a lieutenant

of police detailed by the chief. The adoption of the signal system April 17, 1891, added very largely to the work of the office, and it has increased at least three fold during the past five years; the clerk, however, has proven himself equal to the increased work, being a rapid writer, by close application, he has succeeded in keeping the records of the department up in good shape and has performed the duties of the office in a creditable manner, and is an efficient officer.

### SERGEANT OF POLICE.

I would recommend that the office of "Sergeant of Police" be established, and that one sergeant be appointed the ensuing year.

### CONCLUSION.

In conclusion I wish to express my thanks to his Honor Mayor Parker for his courteous treatment and kind forbearance; to the Committee on Police and the City Council for their assistance. I wish to acknowledge my obligation to Judge Borden, Clerk of the Court Cobb, and members of the bar for their invaluable advice and assistance, and to all others who have in any way assisted the department in the discharge of its duties. I would also thank the members of the department for the efficient manner in which they have discharged their several duties.

Respectfully submitted,

GEORGE DOUGLASS,

Chief of Police.

IN BOARD OF ALDERMEN,

February 13, 1896.

Received, ordered printed in the City Documents, and  
sent down for concurrence.

WM. S. COOK, Asst. City Clerk.

IN COMMON COUNCIL,

2 mo., 13, 1896.

Concurred.

WM. A. MACKIE, Clerk.









1895.—CITY DOCUMENT No. 10.

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SEVENTH ANNUAL REPORT  
OF THE  
BOARD OF PUBLIC WORKS  
OF THE  
CITY OF NEW BEDFORD  
TO THE  
CITY COUNCIL,  
TOGETHER WITH THE REPORT OF THE  
SUPERINTENDENT OF PUBLIC WORKS  
TO THE BOARD,  
FOR THE YEAR 1895.

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NEW BEDFORD:  
MERCURY PUBLISHING COMPANY, CITY PRINTERS.  
1896.



# BOARD OF PUBLIC WORKS.

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Organized May 3, 1889, under Chapter 167 of the Acts  
and Resolves of 1889.

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## ORGANIZATION FOR 1895.

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DAVID L. PARKER, Mayor, Chairman.

OLIVER PRESCOTT, JR., President of the Common Council.

MORGAN ROTCH, appointed April 11, 1889, reappointed April 14, 1892;  
term expired May, 1895.

GEORGE F. BARTLETT, appointed July 13, 1891, reappointed May 7,  
1894; term expires May, 1897.

SAVORY C. HATHAWAY, appointed April 28, 1893; term expires  
May, 1896.

CHARLES O. BRIGHTMAN, appointed April, 1895; term expires  
May, 1898.

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### CLERK.

DANIEL B. LEONARD, City Clerk.

WILLIAM S. COOK, Assistant City Clerk.

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### SUPERINTENDENT OF PUBLIC WORKS.

ALBERT B. DRAKE, Civil Engineer, term expired May, 1895.

CHARLES F. LAWTON, Civil Engineer, appointed May, 1895.

1895.

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NEW BEDFORD,  
MASS.

Population, census of Massachusetts, 1895, 55,254.

Valuation, \$52,642,733. Area about 17 square miles.  
130 miles of accepted streets.

Two bridges over the Acushnet river: 7-9 old bridge maintained by New Bedford; 3-4 Coggeshall street bridge maintained by New Bedford.

1.98 miles of block paving, an area of 25,975 square yards.

16.46 miles of cobble paving, an area of 207,096 square yards.

35.37 miles of macadam paving, an area of 439,115 square yards.

64.44 miles of earth streets.

70.53 miles of curbing.

36.13 miles of flag sidewalk, an area of 109,684 square yards.

24.12 miles of concrete sidewalk, an area of 107,108 square yards.

0.18 miles of granolithic sidewalk, an area of 784 square yards.

53.44 miles of sewer from 8 to 72 inches diameter.

\$873,086.15, cost of sewer system to date.

662 catch-basins.

140 eyeholes.

460 manholes.

27 sewer outlets into Acushnet river.

Five sewer outlets into Clark's Cove.

# REPORT.

OFFICE OF BOARD OF PUBLIC WORKS,

ODD FELLOWS' BUILDING,

January 4, 1896.

*To the Honorable the City Council of the City of New Bedford.*

GENTLEMEN:—The Board of Public Works herewith submit their seventh annual report for the year 1895.

At the first meeting in January the Board organized with Hon. David L. Parker, Mayor, Chairman; Oliver Prescott, Jr., President of the Common Council; Morgan Rotch, George F. Bartlett, and Savory C. Hathaway.

On the first Monday in May the Board organized as provided by law. Hon. Morgan Rotch, after a continuous service of six years retired from the Board, and was succeeded by Charles O. Brightman, Esq., who was appointed and confirmed April 25, 1895.

At a meeting held May 7, Charles F. Lawton was elected Superintendent; William S. Cook, Assistant City Clerk, continued to act as clerk of the Board.

The year 1895 will pass as one of the most important years in the history of the Board. A great many matters of importance to the public have been considered and disposed of in a manner which to the minds of the Board was for the best interests of the city.

As evidence of the amount of time given to the work may be mentioned the fact that sixty-nine (69) meetings



of record were held, beside many conferences, executive meetings, and visits to all parts of the city.

At the very first of the year the Board was confronted with a vast amount of repairs necessary to the much used streets of the city. The need of this class of work was particularly urgent in the vicinity of and on streets contiguous to the city's large manufacturing establishments.

Acting upon the recommendations of a committee which carefully investigated the matter, work aggregating about \$13,000 was ordered upon these streets. This work consisted largely of sidewalks, which are used daily by thousands of mill operatives, and the results have proved the wisdom of the expenditure.

The construction of new mills at each end of the city, made it necessary to accept and put in condition many new streets requiring a large outlay for grading. Realizing that the financial welfare of the city is dependent upon its manufacturing industries, we feel that this kind of work should advance whenever occasion demands it.

The advisability of adopting a pavement for certain streets offering advantages not possessed by any now in use was carefully considered, and though the City Council did not see fit to grant a special appropriation for paving Pleasant street with asphalt, the Board are still of the opinion that our city is far behind in this matter and that the large and constantly increasing use of asphalt in other cities proves that this pavement has passed the experimental stage and more nearly reaches the wants of the community than any other.

The experience of such cities as Buffalo, Washington, Philadelphia, New York, Cincinnati, and many others, shows that the more this pavement is used the greater becomes the demand for it.

Although the amount of macadam laid the past year, exceeds that of any previous year, there is still an immense

amount of this work to be done, and the most persistent efforts will be required for many years to bring our streets to their proper standard of improvement.

An increased amount of block paving has been done this year, a large percentage of which was made necessary by the relaying of new tracks by the Union Street Railway Company. Acting upon the advice of the Superintendent, several thousand blocks have been laid upon a foundation of concrete and jointed with cement. This manner of laying block pavement is in general use in all large cities, and while the cost exceeds that of the method heretofore in use in this city, i. e. upon a foundation of sand, we believe with the Superintendent that the advantage of having a surface that is uniform and consequently more easily cleaned and of longer durability far outweighs the additional cost.

With a view to aid in prolonging the life of the paved and macadamed streets of the city we passed orders regulating the disturbance of the streets. Under this order notice is given of the intention of the Board to improve a street after which unless good cause is shown no permit is issued to cut into its surface for a period of one year.

The results of this provision, we think, will be of great value if followed out by each succeeding Board.

#### BETTERMENTS.

In the matter of betterment taxes, we have during the year applied the provisions of the betterment laws to a good proportion of the sidewalks which have been laid, excepting of course, those that seemed to be of great general public use. The betterment law has also been applied in the widening and acceptance of several streets which will bring a good percentage of the cost of such widening and laying out back to the city treasury.

## MUNICIPAL FRANCHISES.

One of the most important measures which confronted this Board at the opening of their year of work was the matter of depressing or placing underground the telephone wires in this city. This matter, which had previously been considered by the Board of 1894, was given immediate attention and much time was spent in conference and investigation. It was only after the most careful consideration that we reached our final decision in the matter. Several restrictions were put into the grant to the telephone company which few cities, if any, in Massachusetts had seen fit to incorporate in their franchises.

These provisions are those providing for the purchase by the city, of the conduits laid under the provisions of the franchise, within five years from the date of granting, and that limiting the rights of the grant to twenty years.

We believe these provisions to be for the best interest of the municipality and as evidence that we are not alone in these views, we mention the fact that one city has since followed our example with respect to municipal purchase.

Work under this franchise is now being pushed to a rapid completion, and another year will see good results from this year's work.

Under the head of municipal franchises mention may properly be made of the work of the Union Street Railway Company in our streets during the year. Owing to the exclusive use of electricity as a motive power by the railroad company, a reconstruction of that portion of the system previously operated by the use of horses became necessary. This work, together with the laying of several new turnouts, additional sidetracks, and the necessary poles, wires, etc., has been completed so that street railway construction in the public streets should be of small amount for a considerable period of time.

## SEWERS.

The table of details of sewer construction shows all the facts relative to the sewers built this year. The total length constructed during 1895 exceeds by about 5000 feet that built in 1894. The Coffin Avenue sewer for which an appropriation was made and then recalled by the City Council in 1893, has been completed.

## WIDER STREETS.

A long step forward has been made in providing wider streets. The streets widened in the more congested district include portions of Union and Fourth streets, while in the outskirts, but in a rapidly growing district, Brock avenue, Harbor, Gifford, and Cove streets, and portions of Rockdale avenue have been widened.

The widening of Union and Fourth streets, the natural centre of the city, was made at this time, owing to the lack of substantial buildings, and to the intended erection of large buildings on both streets. In the future growth of our city these widenings will prove of value far in excess of their cost.

The facts in the proposed widening of Acushnet avenue, north from Weld Street, are sufficiently well known not to require rehearsing here.

## CHANGE OF STREET GRADES.

The question of raising the grade of South Water street as the only practical method of avoiding the floods which inundate that section during every exceptionally high tide or severe rainfall has been continually before the Board. This matter, which involves the expenditure of an im-

mense amount of money, is now in the hands of the City Engineer, to whom it was referred for a thorough investigation. Believing it to be a proper initiative step to the solution of the difficulty, this Board resolved that when the owners of the property abutting on Water street raise their land and buildings, this department will immediately raise the grade of the street, the whole change of grade to conform to a plan of the City Engineer.

Another important matter in the line of changing street grades is that of cutting Hathaway Road to an easier grade. Owing to the largely increased use of this road it has been urged that the very sharp grade should be lowered to one better suited to heavy teaming. Further action in this matter will probably be taken during the year.

#### BRIDGES.

Acting under directions from the honorable City Council we awarded to the King Bridge Company of Cleveland, Ohio, the contract for raising the draw and making other necessary repairs to the bridge at Coggeshall street.

This work was not commenced until late in the year, but is now progressing as satisfactorily as the conditions will permit.

On the New Bedford and Fairhaven bridge new planking is necessary. The old planking has been continually patched until public safety demands that it be replaced with new. The construction of the promised new bridge seems so far in the distance that it is not safe, in our opinion, to allow the need of these repairs to go unheeded. An additional appropriation will be required to do this work.



## CONCLUSION.

We end the year in condition for a good start when the season of 1896 opens. The new crusher plant has been completed, the department is well equipped and well organized, and with an appropriation in proportion to the work to be done, we consider the department equal to meet the annually increasing demands made upon it.

Attention is respectfully called to the report of the Superintendent and the tables annexed, all of which is

Respectfully submitted,

DAVID L. PARKER,	}	Board of Public Works.
OLIVER PRESCOTT, JR,		
GEORGE F. BARTLETT,		
SAVORY C. HATHAWAY,		
CHARLES O. BRIGHTMAN,	}	



The following is the report of Capt. John B. Nicholson, draw tender of the New Bedford and Fairhaven bridge, for twelve months ending December 31, 1895, showing the number of vessels for which the draw has been opened.

1895.	Boats.	Schs.	Ships and Barks.	Tugs.	Barges.	Total.
January,	10	23		29	1	63
February,	2	11	1	24	6	44
March,	10	22		32	4	68
April,	38	41		67	25	171
May,	114	40		51	15	220
June,	120	36		61	23	240
July,	165	45	3	41	7	261
August,	147	47	1	61	18	274
September,	175	59		134	26	394
October,	81	41		119	2	243
November,	27	42		41	8	118
December,	2	23		37	16	78
	891	430	5	697	151	2174

## APPROPRIATIONS AND EXPENDITURES, 1895.

	Appropriation.	Expended.
Highways and streets,	\$115,000.00	\$113,362.44
Highways and streets, crusher plant,	7,000.00	8,916.83
Engine and boiler house,	1,500.00	1,500.00
General sewers,	13,500.00	16,628.83
Dredging docks,	2,500.00	2,082.00
New Bedford and Fairhaven bridge,	3,600.00	2,468.61
Coggeshall street bridge,	6,000.00	2,987.50
	\$149,100.00	\$147,946.21
†Acushnet avenue sewer, lowered south of Coggeshall street,	1,000.00	1,532.74
Arch street sewer,	300.00	235.25
Atlantic street sewer,	400.00	240.04
Beetle street sewer, No. 3,	2,100.00	1,219.85
Belleville avenue sewer, No. 6,	650.00	549.48
Belleville avenue sewer, No. 7,	650.00	431.96
*Butler street sewer,	1,200.00	824.60
Coffin avenue sewer, No. 2,	10,000.00	10,018.35
Coggeshall street sewer, No. 4,	400.00	304.36
Court street sewer, No. 4,	800.00	704.79
Davis street and Riverside avenue,	2,000.00	1,888.15
Jouvette street sewer,	2,000.00	698.14
Mill street sewer No. 6,	300.00	251.89
*Mill street sewer, No. 7,	2,250.00	177.10
Morgan and Ash streets sewer,	800.00	614.21
Morton court sewer,	500.00	375.51
North street sewer, No. 6,	350.00	228.63
Phillips avenue school drain,	250.00	235.94
Pierce street sewer,	300.00	293.21
Scott street sewer,	400.00	266.00
Thompson street sewer,	2,000.00	1,622.20
Vera brook sewer,	800.00	762.14
Vine street sewer,	1,100.00	1,470.85
	\$179,650.00	\$172,891.60

† Large amount of ledge not anticipated.

\* Not completed.

## HIGHWAYS AND STREETS.

YEAR.	Net Expenditure Appropriation for Year.	New Work.	Maintenance and Repairs.	Stock on Hand Increased.
1894	\$101,263.49	\$35,023.85	\$62,700.69	\$3,538.95
1895	113,362.44	56,701.37	55,734.55	926.52

## GENERAL SEWERS.

YEAR.	Net Expenditure Appropriation for Year.	New Work.	Maintenance and Repairs.	Stock on Hand Increased.	Stock on Hand Decreased.
1894	\$14,714.60	\$4,508.70	\$9,811.91	\$393.99	
1895	16,628.83	4,764.24	13,636.99		\$1,772.40

# Report of the Superintendent.

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OFFICE OF SUPERINTENDENT,  
ODD FELLOWS' BUILDING,  
New Bedford, Mass.

*To the Board of Public Works of the City of New Bedford.*

GENTLEMEN :—The seventh annual Report of the work of this department for the year ending January 4, 1896, is herewith submitted.

My official connection with the Board commenced May 21, so it is only since that date that I have had personal supervision of the work of the department.

The regular street work of the year began about the middle of April and ended about the middle of December, so that the work of the department was mainly confined to about 35 weeks.

At the time of my appointment, the most important piece of work underway was the construction of a new crusher plant at the city yard. This had been considered a necessary improvement on account of the increasing demand for macadam streets, and the poor physical condition of the old crusher. This new plant was not completed till about the close of the season's work, and has not yet been operated to any extent. The two old crushers furnished all the stone used during the season, amounting to 28,089 tons.

## MACADAM.

The most important item of street improvements has for many years been, and no doubt will continue for some time to be, the macadam work. With the new crusher plant completed and ready for use and with two first class steam road rollers, a large amount of this work can be done. Macadam, on account of its cheapness, the rapidity with which it can be laid, the ease with which it can be repaired, and its smoothness, elasticity, and other good qualities, will no doubt continue to be our chief improvement in the way of street pavements; and though our native granite wears very rapidly under traffic, and is not therefore a good macadam stone, the supply of boulders in this section seems to be unlimited, and a trip into the neighboring country appears to show as many old stone walls and "paved pastures" as ever.

Owing, however, to the rapid wear of our macadam, a large amount of repair work is constantly needed and this work should begin as soon as a street shows the first signs of wear, continuing till such time as it is so completely worn out that it is cheaper to rebuild the entire street.

Not including repairs, 22,102 lineal feet of macadam or 47,520 square yards, were laid during the year, being 5,358 lineal feet or 13,071 square yards in excess of the amount done in 1894, and more than ever laid in any one year.

## BLOCK PAVING.

A departure has been made the past year in the manner of laying granite blocks. Heretofore no foundation has been prepared but the blocks have been laid on a sand or gravel base. As a result heavy traffic would cause them to settle unevenly and streets so paved would soon be but little better than those paved with cobbles.

About 28,000 blocks have been laid in Purchase street, from High to Mill, and north of Maxfield, replacing cobbles. For this work the street was excavated fourteen inches below grade, and a concrete base (cement, sand, and broken stone) four inches thick laid. This was covered with a cushion layer of two inches of sand on which the blocks were laid and rammed. The joints were then filled with a thin grouting of cement mortar.

Of course, this is more expensive than the old way, but I am confident that the advantages of this method will be demonstrated in an improved wearing surface and longer life of the pavement.

On account of the near approach of a new sixteen-inch water main in Purchase street, from the pumping station to Pearl street, I would not advise the laying of blocks in that section till the work is completed; but some of the cobble paving will have to be relaid to conform to the grade of the street car tracks.

#### COBBLE PAVING.

On some of our streets where car tracks are laid and traffic is not heavy, notably Ash, Cedar, and Summer streets, this kind of paving answers very well, and I would advise that the cobble paving on these streets be kept in repair and that Cedar street from Kempton to Durfee, be cobble paved where no paving now exists.

#### SIDEWALKS.

While New Bedford can well boast of her beautiful streets, it seems to me that in the matter of sidewalks we are hardly up to the proper standard. To maintain a good surface, a sidewalk, like a street, must have a good foundation. A number of private parties in our city have



laid a granolithic or cement sidewalk, which meets the requirements better than any other material yet used.

In the western cities, and even in villages, this kind of sidewalk is laid very extensively, the cost being from 12 to 15 cents per square foot. Our flag sidewalks have cost in previous years from 17 to 20 cents per square foot, so that there would seem to be no reason on the ground of expense why cement sidewalks should not come into general use here.

There has been a large demand for concrete sidewalks during the year, but owing to the fact that the concreting force was employed on the Common from June 22 to October 5, the general sidewalk work could not be kept up and more will have to be done this year in consequence.

#### CURBING.

The demand for curbing has been constant the past year and will no doubt continue to be while there are so many streets well built up where no curbing has been laid. The curbing laid the past year amounting to over 12,000 feet was of excellent quality, and adds greatly to the appearance of our streets, and no improvement that the Board can make seems to meet more with the approval of the citizens generally.

In view of the continued demands I would recommend that a large amount of curbing be laid the coming season.

#### GUTTERS.

A great many gutters have become out of shape due to travel, frost, and the upheaval caused by tree roots. As a result water is often turned from the gutters towards the centre of the streets, and when once a channel is formed in this way, however small, in a macadam street, each additional rainfall makes the damage more marked, and the destruction of the street pavement rapidly follows.

An attempt has been made to remedy this trouble the past year but I would recommend that much more work in this line be done the coming year.

For the first time in our city a tar concrete gutter has been laid. This is on the east side of Belleville avenue, from Sawyer to Bullard street. While the cost of this gutter is not in excess of the cobble gutter it offers a smooth surface easily kept clean, and not apt to be clogged with weeds. This style of gutter could be used to good advantage on macadam streets, especially where the grades are flat.

Many gutters crossing our principal traveled streets, causing a break in the surface and being a source of great discomfort to people in carriages and to bicycle riders, have been taken out and many more should be removed. Our streets should as far as possible, offer a smooth, even surface, with no gutters crossing them.

#### CATCH BASINS.

To maintain a street that has already been improved or to initiate improvements on a new one it is of first and vital importance that the water falling or running on that street should be taken care of; and no improvement that the Board can authorize is of more importance than the construction of catch basins to take care of this surplus water. Sixty-two catch basins have been built during the year, and as new streets are opened and new sewers constructed the demand will be constant.

#### STREET CLEANING.

An attempt will be made to have cleaner streets the coming year; and if each property owner and especially each store keeper will participate in the effort and do what

he can to prevent the street in front of his own premises from being littered up, much will be accomplished and the work of the department be made comparatively easy.

If we could trace the origin of much of the rubbish in our streets it would be found to result from the slovenly habit of many people in sweeping or throwing into the streets stuff which they do not wish to have on their own premises.

### ICY SIDEWALKS.

During a large part of the winter season the work of this department consists largely in keeping the sidewalks of the city in safe and passable condition. Notwithstanding these efforts many suits are brought against the city by people who meet with accidents by falling on icy sidewalks.

The icy condition of our sidewalks is generally occasioned by failure of citizens to comply with Section 30, Chapter 28 of City Ordinance which says: "No person shall suffer his or her building to shed water on any sidewalk or street in the city to the injury or inconvenience of passengers."

As it is impossible for the city to keep all the streets at all times in a safe condition, the enforcement of the above ordinance would relieve this department of much criticism, and of much work that does not properly belong to it.

### SEWERS.

While no very large sewer has been built the past year the general demands have been well met.

Sewer construction began about June 1st, since which time one gang has been constantly employed, and part of the time two. Ordinarily this work can be done at one season of the year nearly as well as another, and I would

advise that when sewers are considered necessary the work be continued through the whole year. This gives us also a chance to employ men in the winter who would otherwise remain idle.

I believe that the time will soon come when a radical change in our sewer system in the east part of the city will have to be made. The discharge from 27 sewer outlets along our water front, from Coffin avenue to Cove street, is a menace to health, as well as a source of constant expense in the way of dredging and extensions. The location of our city and the grades of our streets would suggest the advisability of a large intercepting sewer running north and south along our water front with a limited number of outlets into the harbor. I would suggest that the Board carefully consider the subject with a view, not only to economy, but as well to the sanitary requirements of the city. With our constant growth the matter becomes every year more pressing.

#### UNDERGROUND CONDUITS.

During the year our streets have been in a constant state of upheaval, due not only to the work of this department, but mainly to the replacing of old pipe by the water department, and the work of the Southern Massachusetts Telephone Company in laying ducts for underground wires.

While the work of the water department is always done under careful superintendence, and in a manner to conserve the interests of the public, the work on the telephone conduit was a source of constant aggravation and trouble.

Out of town contractors will generally give but little thought and attention to the comfort of the general public or the interests of the city; and in the future, when work of this kind is to be done, the city would do well, I think, so long as it has a force of men well equipped for this sort of work, to require that all trenching, backfilling, and repaving be done by its own men.

## COGGESHALL STREET BRIDGE.

The appropriation of six thousand dollars by the City Council for the purpose of rebuilding a portion of this bridge, and the work which is now in progress will, it is hoped, relieve this structure of some of the opprobrium which it has had to bear and enable the city to maintain it, not only as a highway for the convenience of travellers to and from Fairhaven, but also as a drawbridge across a navigable stream, offering unimpeded passage for such vessels in our harbor as find it desirable to pass through it.

With the exception of the completion of the crusher plant, and the addition of a steam road-roller, no large increase in the plant has been necessary, and none would seem to be required for some time to come.

Ten horses have been bought, one has died, and four have been sold on account of unfitness for work.

More shed room at the city yard would be a great convenience, and a good substantial fence around that part of the yard not already enclosed is strongly advised. Most of the machinery and the buildings are in very good order. Slight repairs are needed on the portable crusher boiler, and one more season's work is all we can expect from it. The old centre crusher plant is no longer needed and should be sold.

The tables furnishing the detailed information of the year's work are appended and made a part of this report. The number of such tables has been somewhat reduced from those of previous reports, but are believed to be sufficient to furnish all the information required.

Respectfully submitted,

C. F. LAWTON,

Superintendent of Public Works.



## STREETS ACCEPTED.

STREETS.	LOCATION.	Width.	Length.
Abbott,	Ruth avenue to East French avenue,	50	548.89
Ashley,	Ruth avenue to Cove street,	50	605.79
Cleveland,	Ruth avenue to Cove street,	50	682.24
Elm,	Newton to Liberty,	40	207.97
Marvin,	Howard street to Acushnet avenue,	40	339.42
Morelands Terrace,	Ash to Page,	50	757.10
Morgan,	Cedar to Ash,	40	199.76
Nye,	Acushnet avenue to Bowditch street,	50	567.90
Plummer,	Acushnet avenue to N. Y., N. H. & H. R. R.	50	1873.98
Riverside avenue,	Coffin avenue to Earle street,	50	1008.80
Robeson,	Shawmut avenue to Oak Grove cemetery,	40	621.00
Rockdale avenue,	Cove road to Dartmouth street,	80	1960.94
Viall,	Cove street south,	50	722.95
Vine,	Durfee to Mt. Vernon,	40	959.30
			<u>11,056.04</u>

Total, 14 streets. Total length, 11,056.04 feet, or 2.094 miles.



## STREETS WIDENED.

STREETS.	LOCATION.	Amount of Widening.	Former Width.	Present Width.	Length.
*Brock avenue,	Marine Park to West French avenue,	40 feet on west side from West French avenue to west line of Warren st.; thence to U. S. Gov. property, 20 feet on each side.	40	80	7,413.71
Cove,	East French avenue to Harbor,	10 feet on north side.	50	60	784.27
Fourth,	School to Union,	12 feet on east side.	38	50	476.95
Gifford.	Acushnet river to Harbor street,	10 feet on south side.	40	50	652.00
Harbor,	Cove to Gifford,	10 feet on east side.	50	60	938.80
Rockdale avenue,	Allen to Buttonwood Park,	30 feet on west side.	50	80	2,010.35
Rockdale avenue,	Buttonwood Park to Kempton,	30 feet on west side.	50	80	742.46
Union,	Acushnet avenue to Fourth street,	14 feet on south side.	46	60	196.35
		Total length,			13,214.89

\* Widening of 1893 pronounced illegal.

## STREET LOCATION ALTERED.

Pine Grove street, Tarkila Hill road to Pine Grove cemetery, south end moved 15 feet west. 1268.25 feet.

## STREET DISCONTINUED.

Davis street, Riverside avenue to Acushnet river, 50 feet wide. 413.58 feet.

# MACADAM—NEW.

1896.

## BOARD OF PUBLIC WORKS.

25

STREET.	LOCATION.	Length.	Area Sq. Yards.	Cost.
Arnold,	Between Ash and Atlantic,	970.2	2,074.04	\$1,002.47
Ash,	Between Arnold and Hawthorn,	711.9	1,384.13	1,009.53
Belleville avenue,	Between Bullard and Sawyer,	1,089	2,533.32	698.46
Brownell,	Between Arnold and Court,	324	658.8	249.37
Cedar,	Between Court and Morgan,	204	408	107.22
Chestnut,	Between Hillman and Maxfield,	262.4	524.8	272.58
Chestnut,	Between Maxfield and Sycamore,	317.2	724	432.31
Chestnut,	Between Sycamore and Smith,	250	500	279.70
Front,	Between Potomska and South,	665	1,307.83	695.17
Gifford,	Between Harbor and Water,	390.2	748.72	389.04
Ginnell,	Between Acushnet river and Prospect street,	372	785.33	347.79
Harbor,	Between Cove and Gifford,	406.3	1,046.09	482.06
Maple,	Between Cottage and Ash,	576.9	1,166.32	652.68
Main,	Between Acushnet river and Acushnet avenue,	803	2,516.07	1,245.89
Maxfield,	Between County and Summer,	274.6	546.15	213.62
Maxfield,	Between Summer and Chestnut,	200	408.89	199.14
Orchard,*	Between Cove road and Rivet,	2,313.8	4,730.14	381.96
Purchase,	Between Coggeshall and Sawyer,	533.8	1,408.64	1,234.81
Rivet,	Between Bolton road and Dartmouth,	1,191.1	2,437.74	1,092.14
Robeson,	Between Shawmut avenue and Cemetery,	626.1	1,249.51	349.38
Rockland,	Between Fourth and County,	206	408.79	239.70
Rockland,	Between County and Crapo,	710.5	1,446.7	946.91
Rockland,	Between Crapo and Hemlock,	1,223.7	2,514.43	1,189.48
Sawyer,	Between Belleville and Acushnet avenues,	863.4	2,206.47	1,070.14
State,	Between Hillman and Maxfield,	267	507.30	242.11
Washburn,	Between Front street and Acushnet avenue,	119	234.03	97.09
		15,871.1	34,506.24	\$15,120.72

\*Work begun in 1894.

†Low price of macadam due to reduction in price of stone.

\$ .438

.95

.341

†Cost per square yard,

Cost per foot,

Average tons of stone per square yard,

## MACADAM REBUILT.

STREET.	LOCATION.	Length.	Area Sq. Yards.	Cost.
Campbell, Cottage, Cottage, County, County, Fifth, Pleasant, Pleasant, Pleasant, Pleasant, Purchase, School, Shawmut avenue, Sixth,	Between State and County, Between Allen and Bedford, Between Hawthorn and Maple, Between Hillman and Maxfield, Between Maxfield and Sycamore, Between Russell and Madison, Between Kempton and Mill, Between Merrimac and Hazzard, Between Hazard and Austin, Between Linden and Weld, Between Weld and Clark, Between Second street and Acushnet avenue, Between Grand street and Hathaway road, Between Wing and Bedford,	390 355 429 294.4 283.9 610.5 127.2 306.2 358.5 535 54.2 186.8 1,935 365.2 6,230.9	741 662.67 896.13 808 870.40 1,207.43 250.87 571.57 677.16 1,036.11 156.57 355.88 4,063.27 717.01 13,014.07	\$305.57 263.03 322.12 353.97 482.46 394.32 90.36 276.41 414.14 702.19 66.03 140.67 1,648.89 318.03 \$5,778.19

Cost per square yard,

\$ .443

Cost per foot,

.927

Average tons of stone per square yard,

.359

## MACADAM REPAIRED.

Total cost,	\$5,892.34
Cost per square yard,	.271
Cost per foot,	.542
Average tons of stone per square yard,	.216
Length in feet,	4961.6
Area in square yards,	9922.75

## PAVING.—NEW.

STREET.	LOCATION.	BLOCK.		COBBLE.		Cost.
		Length. Feet.	Area. Sq. yds.	Length. Feet.	Area. Sq. yds.	
Acushnet avenue, Ash, Cedar, Durfee, Prospect,* Purchase,* Purchase, Union,	Between Campbell and Willis, Between Morgan and Middle, Between Locust and Robeson, Between Cottage and Cedar, Between Grinnell and Howland,	195.2	536.85	489 400 443 529.3	489 217.8 441.13 1484.09	\$1,158.38 123.05 100.18 175.78 703.58 1,865.09 2,496.38 1,539.23 294.84
	Between High and Mill, Between Maxfield and Campbell, Between Pearl and Pope, Square at County,	254.5 352 368.3 38.4	606.02 783.74 763.81 146.49			
		1208.4	2836.91	1861.3	2632.02	\$8,456.51

\* Laid on concrete foundation.

Total cost block paving,

Cost per square yard,

Cost per square yard, concrete foundation,

Total cost cobble paving,

Cost per square yard,

\$7,353.92

2.067

3.138

1,102.59

.418

## PAVING.—REPAIRED.

Block paving,

Cobble paving,

\$118.07

3,064.67

## STREETS FILLED AND GRADED.

STREET.	LOCATION.	COST.
Abbott,	Between Ruth ave. and East French ave.,	\$345.55
Ashley,	Between Ruth ave. and Cove st.,	416.21
Atlantic,	Between Arnold and Union,	146.39
Belleville ave.,	Between Washburn st. and Belleville road,	204.23
Bentley, (cont.)	Between Acushnet ave. and Bowditch st.,	345.39
Bonney,	Between Cove road and Rockland st.,	273.13
Bowditch,	Between Holly and Earle,	2,305.75
Cleveland,	Between Ruth ave. and Cove st.,	194.58
Coffin ave.,	Between Acushnet river and Bowditch st.,	1,192.53
Cove road,	Between Margin and Orchard,	991.87
Davis,	Between Riverside and Belleville aves.,	1,035.95
Davis,	Between Acushnet ave. and Church st.,	1,275.34
Division,	Between County and Crapo,	358.66
East and West	French avenues,	135.52
Farnham,	Between Thompson and Spooner,	128.42
Front,	Between Sawyer and Holly,	200.61
Gifford,	Between Acushnet river and Water st.,	542.95
Grinnell,	Foot of,	292.54
Harbor,	Between Cove and Gifford,	313.86
Harrison,	Between Ruth ave. and Cove st.,	215.93
Highland,	Between Durfee and Mt. Vernon,	172.54
Hillman,	Between Chancery and Beech,	183.22
Independent,	Between County and Crapo,	117.94
Liberty,	Between Court and Kempton,	213.44
Maple,	Between Ash and Park,	185.21
Margin,	Between Cove road and Cove st.,	249.12
Merrimac,	Foot of,	361.42
Mill,	Between Ash and Beech,	427.48
North,	Between Cedar and Lindsey,	616.86
Pierce,	Between West Elm and Kempton,	300.81
Pine Grove,	Between Tarkiln Hill road and Cemetery,	834.18
Plainville road,	Between Mt. Pleasant st. & Dartmouth line,	345.42
Pope,	East of N. Y., N. H. & H. R. R.,	1,594.45
Prospect,	Between Grinnell and Howland,	341.65
Riverside ave.,	South of Davis,	293.90
Rivet,	Between Bolton road and Hemlock st.,	133.61
Rockland,	Between Crapo and Dartmouth,	314.15
Rotch,	Between Hawthorn and Court,	711.70
Scott,	Between County and Crapo,	173.37
Sycamore,	Between Chancery and Park,	237.00
Tarkiln Hill rd.,	Between Acushnet ave. and Mt. Pleasant st.,	195.80
Thompson,	Between Fourth and Dartmouth,	448.88
Washburn,	Foot of,	180.09
Weld,	Between County and Reynolds,	120.59
Sundry streets,	Costing less than \$100,	2,966.56
		\$22,634.80
Deducted because charged to collecting ashes,		\$7,470.70
Deducted because charged to street cleaning,		1,461.14
		\$13,702.96



## GUTTERS—NEW.

STREET.	LOCATION.	LENGTH.	Area Sq. yds.	COST.
Allen,	Southeast corner Oak,	43	16.7	\$10.82
Arnold,	South side, between Chancery and Atlantic,	513.3	199.6	88.48
Arnold,	North side, between Park and Atlantic,	477.6	196.3	158.32
Ash,	West side, between Hawthorn and Maple,	368	169.1	81.70
Ash,	East side, between Maple and Clinton,	195.2	86.7	40.27
Belleville ave.,*	East side, between Sawyer and Bullard,	1,038	346	107.39
Cedar,	East side, between Robeson and Willow,	37	14.39	11.31
Clay,	North side, between Oak and Ward,	102	39.7	24.61
County,	East side, between Cove road and Cove street,	173.5	54.7	9.00
Crapo,	North side, between Rockland and Washington,	763.2	254.4	131.40
Division,	South side, between County and Crapo,	1,099	385.9	134.87
Division,	North side, between County and Crapo,	1,094.6	377.4	159.23
Front,	West side, between Potomska and South,	673	261.7	133.02
Fruit,	Both sides, between Juniper and Mulberry,	882.6	343.3	160.16
Gifford,	North side, between Harbor and Water,	389.6	179.8	82.82
Grove,	South side, between Borden and Ash,	201.4	78.3	42.95
Homer,	Both sides, between Parker and Locust,	651.5	217	137.20
Main,	Both sides, between River road and Acushnet avenue,	896	385.2	172.10
Maple,	North side, between Cottage and Ash,	354.6	137.9	75.85
Marvin,	South side, between Howard street and Acushnet avenue,	343.5	133.4	70.58
Marvin,	North side, between Howard street and Acushnet avenue,	336	130.7	60.60
Orchard,	East side, between Union and Court,	238	79.3	31.99
Park,	East side, between Arnold and Union,	107	41.6	17.45
Park,	East side, between Union and Court,	90.8	35.3	14.87
Purchase,	Both sides, between Coggeshall and Sawyer,	1,078.5	479.3	188.08
Rivet,	Both sides, between Bolton road and Dartmouth street,	2,387.8	855.6	624.27

Rockland, Rockland, Rockland, Sawyer, Shawmut av., Stapleton, Union, Union, Union, Union, Washington, Weld, Weld,	North side, between County and Hall, South side, between Hall and Crapo, South side, between Crapo and Hemlock, North side, between Bonney and Hemlock, Both sides, between Belleville and Acushnet avenues, West side, between Grand and Sutton, West side, between Cove road and Cove street, South side, between Ash and Chancery, North side, between Ash and Chancery, South side, between Chancery and Park, North side, between Chancery and Park, South side, between Park and Atlantic, South side, between Fourth and County, Both sides, between State and Reynolds, Both sides, between Reynolds and Ashland,	500.7 224.5 1,170.6 800 1,720.9 1,282 160 379 314.4 57.5 164.3 175 86 1,131.2 1,046.3	222.5 87.3 418.7 266.7 787.3 498.6 64.9 126.4 118.2 22.4 70.1 68.6 33.4 459.3 409.5	101.92 52.38 232.55 131.24 339.05 154.87 32.94 42.74 60.84 9.58 29.14 28.52 15.22 263.36 222.32
		23,747.1	9,153.19	\$4,486.01

\*Concrete.

Cost per square yard,  
Cost per foot length and average width,  
Cost per square yard, concrete,

\$.497  
.192  
.31

## GUTTERS REPAIRED.

Total cost,  
Length in feet,  
Area in square yards,  
Cost per foot,  
Cost per square yard,

\$901.36  
6,375.1  
2,517.4  
\$.141  
.257

## CROSSWALKS—NEW.

STREET.	LOCATION.	LINES.	STONE. Length Feet.	CONCRETE. Length. Feet.	Area Sq. yds.	COST.
Acushnet ave., Ash, Bay, Bay, Chancery, Coffin, Kilburn, Madison, Pleasant, Pleasant, Sawyer, Second, Weld,	At south line Washburn, East side, across Grove, South side, across Ward, North side, across Ward, East side, between Hawthorn and Maple, South side, west of Water, East of Front, North side, across County, At south line of Market, East side, across Pope, South side, across Mitchell, East side, between Potomska and South, At Acushnet avenue,	Double.  Single. Double.  Double. Double.	48.7 49 15.4 22.8  52.7 28.8	82.3 19.4  21 32 25.5 26 28.7	75.38 17.03  21 30.22 23.23 21.66 27.42	\$59.23 14.90 12.08 45.31 19.69 26.11 19.89 26.32 23.09 39.53 27.24 24.27 24.01
			217.4	234.9	215.94	\$361.67

\$684.80

## CROSSWALKS—REPAIRED.

Total cost,

## CURBING—NEW.

STREET.	LOCATION.	Length Feet.	Cost.
Acushnet av.,	Junction of Weld street,	72.1	\$91.74
Acushnet av.,	East side, between Cedar Grove and Marvin,	351.2	205.34
Acushnet av.,	East side, between Marvin and Coggeshall,	157.7	97.26
Allen,	Southeast corner Oak,	50.1	36.32
Arch,	East side, between Arnold and Union,	86.3	49.32
Arnold,	Southeast corner Chancery,	12.5	13.49
Arnold,	Southwest corner Chancery,	12.5	13.09
Arnold,	North side, between Chancery and Park,	11.9	8.90
Arnold,	South side, between Chancery and Atlantic,	165.3	86.74
Arnold,	North side, between Park and Atlantic,	136.8	77.39
Atlantic,	East side, between Maple and Arnold,	190.4	129.66
Atlantic,	East side, between Arnold and Union,	590.5	335.41
Austin,	South side, between County and Ashland,	77.4	56.70
Bedford,	South side, between Fourth and Fifth,	176.8	112.70
Belleville av.,	East side, between Sawyer and Bullard,	25.5	19.03
Campbell,	South side, Cedar street east,	66.4	41.29
Cedar,	Southeast corner Willow,	20.5	16.87
Cedar Grove,	North side, between Front and Howard,	196.9	108.16
Clark,	North side, between Purchase and State,	282.3	175.33
Clark,	North side, between State and County,	61.1	42.00
Clinton,	North side, west of Cottage,	34	24.25
Coggeshall,	North side, between Front and Howard,	59	38.31
Cottage,	West side, between Austin and Durfee,	73.8	42.64
County,	East side, between Cove road and Cove street,	246	153.18
County,	West side, between Cove road and Scott street,	42.4	24.44
County,	West side, between Scott and Nelson,	74	41.69

## CURBING—NEW—Continued.

STREET.	LOCATION.	Length Feet.	Cost.
County,	West side, between Jouvette and Division,	82.1	\$49.68
*County,	West side, Willis street north,	110.5	52.04
County,	East side, between Penniman and Cedar Grove,	77	57.26
Court,	Northeast corner Florence,	32.1	21.70
Cove,	South side, between Viall street and West French avenue,	301.3	187.59
Crapo,	West side, between Rockland and Washington,	649.3	422.98
Division,	South side, between County and Crapo,	731.3	436.64
Division,	North side, between County and Crapo,	850.6	477.22
Emerson,	East side, between Arnold and Union,	507.8	286.41
Emerson,	West side, south of Union,	195.8	111.48
First,	West side, between Potomska and South,	68.9	43.43
First,	East side, between Grinnell and Howland,	49.9	32.88
Grove,	South side, between Cottage and Ash,	160.8	102.60
Homer,	East side, between Parker and Locust,	354.5	186.12
Homer,	West side, between Parker and Locust,	297	160.56
Linden,	North side, between Union and Court,	172	102.52
Orchard,	East side, between Elm and Kempton,	223.5	128.69
Palmer,	Both sides, between Elm and Kempton,	715.2	450.22
Park,	East side, between Arnold and Union,	125.4	79.65
Park,	West side, between Arnold and Union,	38.7	26.51
Park,	East side, between Union and Court,	94.2	58.59
Rivet,	North side, between Bolton road and Juniper,	47.8	37.79
Rivet,	Northeast corner Juniper,	22	17.36
Rivet,	Northeast corner Juniper,	23.3	17.86
Rivet,	Northeast corner Hemlock,	24	15.66
Rockland,	South side, between Hall and Crapo,	222.3	122.80

## CURBING—NEW—Continued.

STREET.	LOCATION.	Length Feet.	Cost.
Stapleton,	West side, Cove street south,	152.8	\$94.13
Union,	South side, between Chancery and Park,	57	36.75
Union,	North side, between Chancery and Park,	53.3	35.63
Union,	South side, between Park and Atlantic,	167.5	105.53
Walden,	East side, Sycamore street north,	98.2	58.68
Washington,	South side, between Fourth and County,	84	50.49
Weld,	South side, between State and County,	189.8	124.49
Weld,	North side, between State and County,	205.1	123.98
Weld,	North side, between County and Reynolds,	352.7	172.28
Weld,	Northeast corner Ashland,	22.4	17.08
*Willis,	North side, west of County,	206.6	115.91
		11,040.1	\$6,662.44

\* A portion laid by private parties.

Cost per foot,

\$ .603

Cost per foot of stone,

.43

Cost per foot of labor,

.173



## CURBING RELAID.

Total cost,	\$770.98
Cost per foot relaid with new stone,	.619
Cost per foot relaid with old stone,	.093
Length feet of curbing relaid with new stone,	1,077.5
Length feet of curbing relaid with old stone,	521.2

## CONCRETE—NEW.

STREET.	LOCATION.	Area Sq. Yds.	Cost.
Allen,	South side, between Borden and Ward,	152.92	\$76.44
Arch,	East side, between Arnold and Union,	88.35	34.04
Arnold,	North side, between Ash and Emerson,	121.50	52.04
Ash,	East side, between Middle and Kempton,	71.79	30.04
Bedford,	South side, between Fourth and Fifth,	82.89	39.79
Coggeshall,	North side, between bridge and Acushnet avenue,	1,782.31	744.36
Cottage,	East side, between Dartmouth and Allen,	319.52	132.04
Cottage,	West side, between Austin and Durfee,	129.07	51.57
Cove,	North side, between Harbor street and Morton court,	298.66	142.37
Crapo,	West side, between Rockland and Washington,	595.16	231.81
Durfee,	South side, between Cottage and Cedar,	374.64	127.72
Elm,	North side, between Summer and Cottage,	152.11	48.40
Emerson,	East side, between Arnold and Union,	472.01	173.13
Emerson,	West side, between Arnold and Union,	163.96	61.21
Fourth,	West side, between Potomska and Rockland,	138.39	54.95
Hicks,	North side, between Front street and Acushnet avenue	726.22	326.63
Kempton,	South side, between Cedar and Ash.	59.96	25.06
Logan,	North side, between Front street and Acushnet avenue,	221.04	112.23
Orchard,	East side, between Union and Court,	14.82	11.39
Purchase,	East side, between Pearl and Pope,	191.19	91.80
Purchase,	East side, foot of Austin,	40.50	24.77
Rockland,	South side, between Fourth and County,	168.69	66.93
Smith,	South side, between County and Summer,	149.83	55.46
Walden,	East side, between Sycamore and Smith,	91.30	49.15
Washington,	South side, between Fourth and County,	50.40	22.77
Water,	West side, between Delano and Blackner,	230.89	105.36

CONCRETE—NEW—*Continued.*

STREET.	LOCATION.	Area Sq. Yds.	Cost.
Weld, Willis, Willis,	Junction of Acushnet avenue, North side, between County and Summer, South side, between Summer and Chestnut,	280.47	134.63
		84.73	39.55
		178.27	76.42
		7,431.59	\$3,142.06

Cost per square yard, \$ .422

## CONCRETE REPAIRED.

Total cost, \$860.38  
 Area in square yards, rebuilt, 1,451.87  
 Cost per square yard, \$.355  
 Area in square yards, topcoat, 1,024.76  
 Cost per square yard, \$.219

## FLAGGING—NEW.

STREET.	LOCATION.	Granolithic. Sq. yds.	New Stone. Sq. yds.	Cost.
Arch, County, *County, Hawthorn, *Walnut, *Willis,	East side, between Arnold and Union, West side, between Hillman and North, West side, north of Willis, South side, between Cottage and Ash, North side, between Fourth and Fifth, North side, west of County,	45.17 29.47 72.17 146.81	27.2 29.38 228.84 285.42	\$50.08 51.96 81.31 415.80 53.05 129.90 \$782.10

Cost of stone per square foot, \$0.1525      Cost per square yard, 1.81  
Total cost, \$517.84

\*Granolithic sidewalks laid by private parties. Cost above is rebate amounting to usual cost of laying flagwalk in each place at the rate of \$1.80 per square yard.

## FLAGGING REPAIRED.

Total cost, \$1,503.05

## DRAINS LAID.

Number.	Size Pipe.	Length feet.	Cost.	Average cost per foot.
1	3 inch	8	\$2.65	\$ .334
166	5 inch	6,346	1,748.72	.276
126	6 inch	5,436	1,854.18	.341
16	8 inch	856	368.30	.430
3	10 inch	78	13.05	.167
312			\$3,986.90	\$ .313

63 drains repaired, cost	\$242.33
157 drains cleared, cost	347.30
Total cost of drains new, repaired, and cleared,	4,576.53

## RECAPITULATION—HIGHWAYS AND STREETS.

## GROSS EXPENDITURES.

Macadam, new,	\$15,120.72
Macadam, rebuilt,	5,778.19
Macadam, repaired,	5,892.34
Streets filled and graded,	13,702.96
Curbing, new,	6,662.44
Curbing, relaid,	770.98
Gutters, new,	4,486.01
Gutters, repaired,	901.36
Concrete sidewalks, new,	3,142.06
Concrete sidewalks, repaired,	860.38
Gravel and cinder sidewalks,	6,286.95
Paving, new,	8,456.51
Paving, repaired,	3,182.74
Flagging, new,	782.10
Flagging, repaired,	1,503.05
Crosswalks, new,	361.67
Crosswalks, repaired,	684.80
Drains, new, repaired, and cleared,	4,576.53
Collecting ashes,	8,201.74
Sweeping and cleaning streets,	7,409.40
Filling holes in streets,	766.09
Building bank walls, sundry streets	615.32
Removing snow and ice,	235.97
Sanding icy walks,	243.26
Picking up small stones,	236.23
Carting stock to city yard,	216.78
Labor, city stable yard,	707.76
Filling, city yard,	32.38
Paving, city yard,	36.76
Macadam, city yard,	281.05
Carpenter shop,	199.00
Paint shop,	131.07
Stable office expenses and salaries,	1,835.58
Main office expenses and salaries,	5,033.50
Janitor,	208.00
Registration clerk,	200.00
• Advertising,	301.84
Carriage hire,	150.00
Oil,	100.38
Tools, new and repaired,	324.53
Tool houses repaired,	17.66



Pumps repaired,	\$54.41
Street sweeper repaired,	76.95
Repairing wall River road,	15.51
Building and repairing fences,	95.33
Repairing bridges, Turner's pond and Assonet,	72.41
Sundry small repairs,	38.13
Engine and boiler house,	256.17
Screenings furnished Cemetery Commission,	329.24
Printing annual reports,	109.95
Blanks, repairing typewriter, supplies, etc.,	215.24
Telephone, papers, binding, etc.,	139.11
Labor on scales, foundation, and drain,	308.81
Street signs,	347.42
Expenses, Public Works convention, Cincinnati, etc.,	420.59
Marline, manilla, lanterns, plow bolts, etc.,	194.27
Miscellaneous items,	561.21

## STOCK, LABOR, AND TEAMING :

General sewers,	\$1,397.03	
Sundry sewers,	2,151.35	
Highways and streets, crusher plant,	3,468.88	
New Bedford and Fairhaven bridge,	55.77	
Coggeshall street bridge,	353.21	
Sundry departments,	12,532.36	
Sundry persons,	3,086.32	\$23,044.92
Stock on hand, January 4, 1896,		7,772.45
		<hr/>
		\$144,688.21

## CREDITS.

Appropriation,	\$94,500.00	
Special appropriation,	20,500.00	
Transferred from unappropriated funds,	24,479.84	
Stock on hand, January 5, 1895,	6,845.93	\$146,325.77
Expended,		144,688.21
		<hr/>
Transferred to balance,		\$1,637.56

## NET EXPENDITURE HIGHWAYS AND STREETS.

Appropriation,	\$94,500.00	
Special appropriation,	20,500.00	\$115,000.00
Credit balance,		1,637.56
		<hr/>
Net expenditure,		\$113,362.44

## ENGINE AND BOILER HOUSE.

Landers & Vance, contractors,	\$1,756.17
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CR.

Appropriation,	\$1,500.00	
Amount paid by highways and streets,	256.17	\$1,756.17

## HIGHWAYS AND STREETS, CRUSHER PLANT.

Setting up new crusher plant,	\$8,916.83
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CR.

Appropriation,	\$7,000.00	
Transferred from unappropriated funds,	1,870.67	
Transferred to balance,	46.16	\$8,916.83

## NEW BEDFORD AND FAIRHAVEN BRIDGE.

Cobble paving repaired,	\$91.56	
Repairing wall,	10.00	
Salaries of draw tender and assistant,	1,118.43	
Painting and repairs to woodwork,	1,208.14	
Moving snow,	4.03	
Filling washouts,	14.18	
Coal, brooms, oil, salt,	21.83	
Repairing eyehole,	.44	\$2,468.61

CR.

Appropriation,	\$3,600.00	
Total outlay,	2,468.61	
Transfer to balance,	\$1,131.39	

## COGGESHALL STREET BRIDGE.

King Bridge Co., contractors,	\$2,962.50	
Henry Manley, consulting engineer,	50.00	\$3,012.50

CR.

Appropriation,	\$6,000.00	
Total outlay,	3,012.50	
Carried forward to 1896,	\$2,987.50	

## CATCH BASINS, NEW.

Cost,	\$4,301.17
Number,*	62
Average cost,	\$69.37

\*Five catch basins built by private parties.

Catch Basins Discontinued,

5

## RECAPITULATION.

## GROSS EXPENDITURES—GENERAL SEWERS.

Catch basins built,	\$4,301.17
Catch basins repaired,	269.32
Manholes built in old sewers, (3)	70.91
Manholes repaired,	37.79
Eyeholes built, (5)	104.26
Eyeholes repaired,	65.81
Eyeholes discontinued, (2)	2.00
Culverts and surface drains built,	221.33
Culverts and surface drains repaired,	83.44
Sewer construction,	66.57
Howland street dock, filling in,	1,256.33
Sewers repaired,	235.73
Office expenses and salaries,	1,676.55
Tools, new and repaired,	423.43
Catch basins cleaned,	2,403.53
Catch basins flushed,	39.78
Eyeholes and culverts cleaned,	1.76
Repairing brook, Bonney street,	3.07
Carting stock to city yard,	475.32
Blacksmithing,	461.66
Teaming,	8.07
Flushing and puddling sewers,	81.97
Repairs to steam drills,	57.67
Repairs to steam pump,	12.45
Rebate on sewer assessments,	23.90
Marline, hemp filling, lanterns, spirit levels,	44.58
Canvas and brush,	51.20
Hose and couplings,	248.56
Witnesses at court,	5.33
Making hydrant connections,	26.00
Insurance on boilers,	100.00
Labor handling stock at city yard,	33.72
Boilers repaired,	116.41
Hoisting engine repaired,	19.82

Stock furnished highways and streets,	\$392.32	
Stock furnished sundry persons,	82.64	
Stock furnished Park Commission,	254.28	
Stock furnished highways and streets crusher plant,	38.93	
Stock furnished sundry sewers,	7,223.84	
General repairs,	30.93	
Freight, Carson trench machine,	57.59	
Miscellaneous items,	128.08	
Stock on hand, January 4, 1896,	3,303.75	\$24,541.80

Cr.

Appropriation,	\$13,500.00	
Transferred from unappropriated funds,	2,836.82	
Stock on hand, January 5, 1895,	5,076.15	
Transferred to balance,	3,128.83	\$24,541.80

## NET EXPENDITURES, GENERAL SEWERS.

Appropriation,	\$13,500.00	
Transferred to balance,	3,128.83	\$16,628.83

## NEW SEWERS.

Dr.

Sundry sewers built,	\$24,945.39
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Cr.

Sundry appropriations,	29,700.00
Expended,	24,945.39
	<hr/>
	\$4,754.61
Carried forward to 1896,	2,543.94
	<hr/>
Transferred to balance,	\$2,210.67

## DREDGING DOCKS.

Appropriation,	\$2,500.00
Expended,	2,082.00
	<hr/>
	418.00
Carried forward to 1896,	100.00
	<hr/>
Transferred to balance,	318.00

## HIGHWAYS AND STREETS.

## CENTRE CRUSHER.

2,589 tons of stone at 35.74 cents per ton.  
 3,043 tons of stone at 42.37 cents per ton.  
 12,514 tons of stone at 52.37 cents per ton.  
 292 tons of stone at 32.37 cents per ton.

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18,438 tons of stone crushed at an average cost of 26.88 cents per ton exclusive of the cost of the stone.

## PORTABLE CRUSHER.

Crapo's lane, west of Bolton road.

411 tons stone at 31.14 cents per ton.  
 5,834 tons stone at 53.11 cents per ton.  
 413 tons stone at 43.11 cents per ton.  
 1,250 tons stone at 42.39 cents per ton.

Shawmut avenue at Hathaway road.

853 tons stone at 41.21 cents per ton.  
 890 tons stone at 46.21 cents per ton.

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9,651 tons stone crushed at an average cost of 33.5 cents per ton, exclusive of the cost of the stone.

## STABLE AND TEAMING ACCOUNT.

Stock on hand, January 5, 1895, (horses, teams, harnesses, hay, straw, grain, etc.,)		\$10,746.75
Gross cost for 1895,		29,879.82
		<hr/>
		\$40,626.57
Received from Water Works, (board of horses,)	\$748.58	
“ for stable dressing,	265.98	
“ for pigs,	150.00	
“ from sundry persons,	38.25	
Stock on hand, January 4, 1896,	11,723.55	12,926.36
Cost of teaming, (including repairs of buildings and re-valuation of stock on hand,)		27,700.21
Charged for work teams have done,		28,202.65

## TEAMING NOTES OF INTEREST.

Cost of hay, straw, and grain,	6,407.95
Paid hostler, assistant, and night watchman,	2,378.82

## DEPARTMENT HORSES.

Working horses,	33	
Driving horses,	2	
	<hr/>	
Total,	35	
Horse shoeing,		\$773.12
Harness repairs,		804.87

## CARTS IN CONSTANT USE.

Double carts,	11
Single carts,	8
Express wagons,	2
	<hr/>
Total,	21

## EXTRA CARTS, ETC.

Express wagon,	1	
Sundown,	1	
Lumber wagon,	1	
Light driving wagons,	3	
Water cart,	1	
Jigger,	1	
Single gear,	1	
Derrick gears,	2	
Sleigh,	1	
Road scraper,	2	
Street sweeper,	1	
Carts repaired and painted,		1,758.21
City stable repairs,		126.41
Cost of hired teams,		\$10,860.29

## BLACKSMITH SHOP.

Stock on hand Jan. 5, 1895,		\$1,790.33
Gross cost for 1896,		2,624.52
		<hr/>
		\$4,414.85
Charged to sewers,	\$626.97	
General sewers,	457.21	
N. B. Water Works,	2.80	
Park Commission,	101.86	
Cemetery Commission,	2.63	
School Committee,	9.65	
Committee on Armories,	7.06	



Charged to New crusher plant,	\$246.49	
Sundry persons,	29.14	
Stock on hand Jan. 4, 1896,	1,391.33	2,875.14
		<hr/>
Cost of blacksmithing to highways and streets,		\$1,539.71

Permits granted by the Board in 1895 are as follows:

Obstructing sidewalks,	190
Disturbing the surface of streets,	52
Locations for poles,	39
Signs,	64
Hitching posts,	47
Awnings,	7
Lanterns,	3
Stepping stones,	2
Barber's poles,	2
Planting trees,	7
Building obstructions,	2
Moving buildings,	42
Drains,	532
	<hr/>
	989

#### COMPARATIVE STATEMENT.

	1894	1895
Macadam, new	\$8,980.70	\$15,120.72
Macadam, rebuilt	11,055.13	5,778.19
Macadam, repaired	4,486.32	5,892.34
Curbing, new	2,684.38	6,662.44
Curbing, relaid	1,680.51	770.98
Gutters, new	1,758.75	4,486.01
Gutters, repaired	3,238.71	901.36
Concrete sidewalks, new	2,288.84	3,142.06
Concrete sidewalks, repaired	1,987.82	860.38
Paving, new	2,806.81	8,456.51
Paving, repaired	7,934.11	3,182.74
Flagging, new		782.10
Flagging, repaired	2,522.48	1,503.05

## MACADAM.

	1894	1895
NEW :		
Length in feet,	5,751	15,871
Area in square yards,	12,306	34,506
Tons of stone used,	6,765	11,770
Total cost,	\$8,980.70	\$15,120.72
Cost per square yard,	.633	.438
Average tons of stone used per square yard,	.466	.341

## REBUILT :

Length in feet,	10,992	6,230
Area in square yards,	22,142	13,014
Tons of stone used,	8,588	4,689
Total cost,	\$11,055.13	\$5,778.19
Cost per square yard,	.499	.443
Average tons of stone used per square yard,	.387	.359

## REPAIRED :

Length in feet,	1,952	4,961
Area in square yards,	3,915	9,922
Tons of stone used,	1,598	2,147
Total cost,	\$4,486.72	\$5,892.34
Cost per square yard,	.392	.271
Average tons of stone used per square yard,	.282	.216

IN BOARD OF ALDERMEN,

March 12, 1896.

Received, ordered printed in the City Documents,  
and sent down for concurrence.

D. B. LEONARD, City Clerk.

IN COMMON COUNCIL,

3 mo., 12, 1896.

Concurred.

WM. A. MACKIE, Clerk





1896—CITY DOCUMENT No. 11.

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THIRD ANNUAL REPORT

OF THE

ENGINEERING DEPARTMENT

OF THE

CITY OF NEW BEDFORD

TO THE

CITY COUNCIL,

BY THE

CITY ENGINEER,

FOR THE YEAR 1895.

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NEW BEDFORD:

MERCURY PUBLISHING COMPANY, CITY PRINTERS.

1896.





# REPORT.

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CITY OF NEW BEDFORD,  
ENGINEERING DEPARTMENT,  
January 1, 1896.

*To the City Council of the City of New Bedford.*

GENTLEMEN:—In compliance with Section 5 of the ordinance defining the duties of the City Engineer, the following report of the expenses and operations of the Engineering Department for the year 1895 is respectfully submitted.

The expenditures and receipts for the year have been as follows:—

## EXPENDITURES.

Salaries and pay-rolls,	\$6,648.65	
Rent,	683.40	
Janitor's services,	94.00	
Lighting,	77.24	
Telephone,	37.47	
Union Street Railway, tickets,	125.00	
Drawing instruments and supplies,	106.77	
Printing, stationery, etc.,	96.01	
Sundry supplies,	49.02	
Repairs to instruments, tapes, etc.,	39.05	
Sundry labor for the B. P. works, dept. and others,	100.33	
Tide gauge, current meter, etc.,	370.48	
Office furniture, repairs and typewriter,	383.22	
Map of City lithographed,	77.50	
Atlas, Public Statutes and reference books,	58.10	
Print cloth, etc., for Assessor's Plats,	69.57	
New tapes,	12.00	
Horse and carriage hire,	73.00	
Travelling expenses, postage, express, etc.,	92.63	
Bound stones and setting same,	11.80	
Printing report and maps for same,	48.52	\$9,253.76

## RECEIPTS.

Balance brought forward from 1894,	\$528.10	
Appropriation regular,	5,400.00	
Appropriations special,	3,200.00	
Transfer to balance,	125.66	\$9,253.76

The following table shows the distribution of time and salaries of the assistants for the year. The cost of administration is shown as an undivided charge.

There are at present eight assistants employed in the department, three of which are engaged on the Grade Crossing Investigation.

## GENERAL CLASSIFICATION OF WORK DONE.

GENERAL CLASSIFICATION OF WORK DONE.				
Assistants time and cost.				
Office.		Field.		Total Cost.
Time.	Cost.	Time.	Cost.	
1464	\$289.13	169	\$39.13	\$278.26
135	29.88	4	.75	30.63
540	133.82	264	47.55	181.37
655	134.10	1003	225.90	380.00
90	4.23	355	70.21	74.44
143	43.21	919	200.85	244.06
249	74.02	445	117.91	191.93
26	6.04	104	22.72	28.76
43	8.89	145	27.76	38.75
90	20.37	154	37.94	58.31
311	76.89	551	111.82	188.71
176	73.02			73.02
122	40.12	133	26.97	67.09
279	77.39	241	47.03	124.42
1205	364.20	697	263.96	628.16
48	10.45			10.45
637	134.57			134.57
56	11.54	59	12.39	23.93
372	138.23	449	123.30	261.53
136	40.81			40.81
455	143.07	1450	389.13	542.20
10	1.39			1.39
1722	340.31	5	1.09	341.40
5	1.09			1.09
642	154.50	43	8.11	162.61
583	115.68			115.68
100	41.75	375	111.19	152.94
155	36.07	75	15.57	51.64
10379	\$2514.87	7640	\$1913.28	\$4428.15
Totals.				2220.50
Administration.				\$6648.65
Total cost, not including special work on Grade Crossings.				
Total number of hours service, 20,827 at a cost of .319 cents per hour.				
An increase over 1894 of 4,861 hours, at an increase in cost of .018 cents per hour.				

At various times during the year I have prepared special reports upon the following subjects :

Paving Pleasant street with asphalt.  
 Coggeshall street bridge, its condition with recommendations.  
 Filling of the wharves, with estimate of amount to be dredged.  
 Howland street sewer and Vera brook.  
 Improvement of the Common with estimate.  
 Improvements at Marine park with estimate.

In which I discussed each subject far more fully than would be possible in a general report. I shall not therefore make any extended reference to these matters. To save your time and space it would also seem that the work of the department during the past year is so fully set forth in the annexed tables that further explanation is unnecessary except perhaps in a few instances where it is not possible to clearly indicate the work in a tabulated statement.

#### SPECIAL GRADE CROSSING INVESTIGATION.

##### Statement.

	CR.	
Nov. 2, 1895, by special appropriation,		\$2,000.00
	DR.	
To salaries of assistants,		\$405.58
To sundry expenditures,		112.34
To balance carried forward,		1,482.08

As the regular work of the Department was already overtaking our present office room, I secured the vacant room on the third floor of the City Hall, where we are now doing the "inside work" of this investigation. While this is not a particularly advantageous arrangement, it was the best that could be made.

#### PRIVATE PARTIES, GRADES, LINES, ETC.

An unusually large amount of work came under this heading this year, due in a large part to the reconstruction

of the tracks of the Union Street Railway and the building of the telephone conduit.

In the case of the former, corrections were made in either the grade or line for nearly every foot of the track relaid. Measurements were also taken of the location of all curves and switches for future reference in question of changes.

Measurements were made of the telephone conduit, as fast as constructed, also of all the incidental features, such as location of private drains, fire reservoirs, sewers, etc., that were met during the progress of the work.

#### SEWER CONSTRUCTION.

Details of the sewers constructed have been carefully compiled and will appear in a table prepared jointly with the Superintendent of Public Works and printed in his report.

#### PLATTING SYSTEM.

The entire system was completed in July ; but owing to a failure to come to a clear understanding with the Contractors in regard to a second acceptance of the plats of that part of the city north of the Nash road, which the Supervisors had previously rejected, the plats of this section were not turned over to the Assessors for use the past year. Later, this matter as far as it concerned the use of the plats was satisfactorily adjusted.

I hope now to deliver to the Assessors before Jan. 15th, blue prints of the plats of the entire city corrected to Jan. 1st, 1896.

#### TIDE GAUGE.

This instrument was set up in February, but owing to trouble with ice, did not get to working smoothly for about



a month. Since this time, it has with a very few exceptions, accurately recorded the daily tidal changes.

There were two very high tides this year. The first on Feb. 8th, reaching a height of 4.2 feet above mean high water. The second on Dec. 31st, a height of 3.12 feet.

While the gauge has not yet been in use a year, I am satisfied that it will show, the average or mean high water mark to be about  $\frac{7}{10}$  of a foot below that assumed in the establishment of the City datum. This also agrees with the observations of the Officers of the U. S. Coast Survey stationed here on the Schooner Eagle.

#### DEPARTMENT OF PUBLIC WORKS.

The list of streets, accepted and contemplated with date of acceptance, width and status of grade of same was completed early in the year. The canvas of the streets to learn the condition of the signs was completed and the results reported to the Board. A sign with the name of the street in a plain black letter on a white ground was adopted and 1,486 have been placed at the street corners.

At the request of the Board, the work of relaying the tracks of the Union Street Railway was daily inspected either by myself or by one of the assistants in the office.

The following written reports were made at the request of the Board.

Returns of street layouts, widenings, etc.,	35
Estimates upon cost of sewers,	7
Estimates, reports and communications,	20
Total,	<hr/> 62

#### DREDGING.

The following table shows the amount dredged at the various private wharves with the cost of same. Also the estimated amount necessary to produce the same depths as

were obtained by the last dredging in 1892. At the time that I made my report on this subject to the Board of Public Works, I was under the impression that the City in 1892, had a definite understanding with the wharf owners, that they would not ask the City to dredge any deeper than the depths of the dredging of that year. I have since learned that with the exception of F. T. Akin & Co., the owners of the wharves in question, repudiate any such an agreement.

The difference between the soundings this year and in 1892, showed less than a foot of filling over the greater part of the berths. It was practically impossible to simply skim off this thin coat, the dredge had to go deep enough to get the dipper full, which resulted in our dredging with one exception much more than the estimate called for.

The argument that it will take just so much longer for the berth to fill up is not particularly reassuring in view of the very serious danger that in the mean time the wharf itself may fall in.

Owner and location	Est'd. amt. cu. yds.	Dredged cu. yds.	Cost 32c. per cu. yd.
F. T. Akin & Co., foot of Coffin st.,	513	645	\$206.40
Phila. & Reading, foot of Walnut st.,	390	1,185	379.20
N. Y., N. H. & H. R. R., foot of School st.,	250	1,420	454.40
“ “ “ foot of Elm st.,	565	215	132.00
Denison Bros., foot of Maxfield st.,	485	1,255	401.60
Totals,	2,203	4,720	\$1,573.60

#### SPECIAL GRADE CROSSING INVESTIGATION.

In a general way, the main question has been before the public since July of 1894, when the petition for the appointment of Commissioners was presented to the Superior Court.

But the actual investigation was not begun until Nov. 4th, 1895, when this department received an appropriation of \$2,000 and the necessary authority to commence work.

To still further protect the interests of the City, I obtained authority from the Special Committee on Grade Crossings, to secure the services of Mr. George A. Kimball, Civil Engineer of Boston, to assist me as Consulting Engineer.

It was recognized at once, that it was of the utmost importance that the data necessary for the final preparation of plans and estimates should be thorough and complete and not confined to what might be necessary for one scheme.

The field work was planned on these lines and has been carried along as rapidly as the weather would permit.

In the mean time, the office work has kept pace with that of the field and we are rapidly approaching the consideration of the various schemes for the actual abolition of the crossings. It must however be apparent from what has followed, that any statement now of what the final conclusions may be, would be open to serious criticism.

I wish to add, that, a moments consideration of the wide extent and importance of the interest involved in this question of the elimination of the Grade Crossings in this City, will convince the most impatient, that there is no pending project, private or public, which in any way involves the Grade Crossings, that cannot well afford to wait the final decision of the Commissioners.

#### RECOMMENDATIONS.

In again availing myself of this privilege of my position, I shall call to your attention, as briefly as is consistent with an intelligible statement, a few of the most important of the municipal problems now awaiting solution in your city.

I am confident that an investigation will fully satisfy you that I have not overestimated the importance of these questions.

## STREET LAYOUTS.

In my report of 1894, I made the statement that "the private citizen lays out the streets, and the City, later on, goes through the formality of accepting them." In the operation of this Department, the weakness and abuses of this system are becoming more and more apparent, so that I feel it will not be out of place for me to again refer to this subject and in more detail.

The streets are laid out and accepted by the proper authorities of this City under the provisions of the general laws of Massachusetts known commonly as the "Highway Act," and the "Law Assessing Betterments and Damages." The former, as I understand it, embodies within its 110 sections and various amendments, about all the laws on this subject that have ever been passed since the earliest history of the State. Its various references to Selectmen, Town Meetings, Road Commissioners, County Commissioners, Surveyors of Highways, Mayor and Aldermen, etc., would lead to the conclusion that as far as official titles are concerned it had fully covered everything in the past and future as well.

But the more one studies the "Highway Act" the more convinced he will become that from a practical point of view its area of application is limited and totally inadequate to the wants of a rapidly growing City.

One of its most serious defects, is its almost total lack of provision for the future. It deals entirely with the wants of the present. The time allowed by it for the actual construction of a highway is too limited to permit its application to the projection of streets in advance of an actual public demand. What may have been an attempt to remedy this defect was an amendment by the Legislature of 1893, to section 88 of the General Law, fixing two years as the limit of time in which to take possession of land

over which a way is located, unless "special time is agreed upon with all the owners of the land over which such way is laid out." It also provided, that an entry for the purpose of constructing any part of the layout, should be deemed a taking possession of all of the land included in the layout. This last provision might be taken advantage of in the projection of streets for future necessities; but I doubt if it would receive the consent of the abutters, as an openly avowed purpose.

The opening declaration of intention in the layout of a street is that "Public convenience and necessity demand" etc. There must be a wide range of meaning as applied to this sentence for to-day and for, say, ten years hence, or even a much shorter time. This is frequently illustrated in the laying out of streets by private individuals with no consultation or reference to the authorities of the City, notwithstanding the fact that these same authorities will be asked to accept such streets within possibly a very short time. In the mean time steps will have been taken in the way of sales, partial or complete of the adjoining land, and the erection of buildings, which will tend to make it difficult and expensive for the authorities to do other than accept the street as they find it, although its location, width and direction may be opposed to their judgement.

Another term used in the "General Law" which seems to me very misleading when applied to a street within a city of this size, is the "private way", we are more used to hearing it called a "contemplated street"; but it means the same thing, and the fee or title to the land within the street usually remains in the original owner. In the course of time he probably disposes of all his land fronting on this street; but the fiction as to its being a "private way" is kept up until such time as the City may accept it.

The popular excuse for the "contemplated street" is, "that the City is not responsible for any accident that may



happen thereon." Section 94 of the General Law very clearly defines this to be a fact, but Section 95, states that unless the Mayor and Aldermen, where public safety demand it, close up such ways, or by other sufficient means caution the public against entering upon them, the City shall be liable for damages arising from defects therein in the same manner as if the way had been duly laid out and established.

The importance of a stronger municipal control of the layout of streets will be better appreciated by stopping a moment to consider the possible length of life of a street.

But is it reasonable to suppose that the average man, desirous of making the most advantageous disposition of his property, is going to stop to think of a contingency that may not arise until long after his final departure from the scene?

The interval of time that may elapse before the errors of location and dimensions have to be corrected is generally so great that the real sufferers by the changes necessary were in no way connected with the original layout. The natural conclusion of every disinterested person who will investigate this question free from selfish motives, must be that a municipality cannot help but be interested in every street that is projected or laid out, and no matter by what title you know it at first, it must sooner or later become a public street and a charge upon the City.

After careful study of this subject, I believe that the City should obtain from the Legislature the power :—

First. To say that henceforth no person shall lay out any street or way until the plan and grade of such street has received the approval of the proper authorities.

Second. That the City may project streets in advance of present requirements, with the right to enter such street for the purpose of actual construction at any time that it may see fit.



At first thought many will think this an arbitrary interference with the rights of private ownership; but the future would justify it.

Boston and several other cities of the State found it necessary to ask for special legislation on the general lines indicated above. As your body has under consideration a revision of the charter and ordinances it seems an opportune time to obtain similar relief for New Bedford.

#### IMPROVED STREETS.

During the past year an effort was made to introduce asphalt pavement into this City; but failing to receive the approval of the Council the matter was dropped. There were issues however connected with this question which were not disposed of and are of such importance that they ought to be more fully discussed and understood by every one interested in the question of good streets.

In 1867, the City purchased a stone crusher and began the construction of its macadam streets. To-day there are about  $35\frac{1}{3}$  miles of macadam streets of various widths, approximately 880,000 sq. yds. of surface.

The population of the City in 1867 was about 21,000, to-day it is nearly three times as great, while the traffic on the principal north and south streets must have increased in much greater proportion. We have a trifle less than two miles of block paving, or 25,975 sq. yds., not counting that which the Union Street Railway Co. has laid between the rails of its tracks. The longest continuous piece is on Acushnet avenue, from William street to Pearl street. There is also 16.69 miles, 209,933 sq. yds. of cobble paving. We are therefore practically dependent upon macadam, which as a pavement for streets of large traffic is being abandoned by every City in the country. I am not an opponent of macadam under any and all conditions. I

believe it has its sphere, within the limits of which it is an economical and useful pavement, but outside of which it fails completely to meet the necessary requirements. The proper selection of the material for construction of a street can only be made after a careful consideration of all of the conditions surrounding each particular case, such as character and amount of traffic, location, grade, etc.

In the case of asphalt, a question of grade may exclude entirely any further consideration of its use. It is the consensus of engineering opinion that for most streets a 3% grade should be the limiting grade for asphalt and a 5% or steeper grade should prohibit its use entirely.

Block paving would be just as poor a selection for Hawthorn street, as macadam would be for Acushnet avenue. This comparison will not meet the approval of those who are striving to obtain a pavement that will never wear out. I doubt if such a material is ever discovered, that will not have so many objectionable features as to preclude its use.

The question of maintenance then, will continue to be in the future as now, one of the most important factors in the consideration of the broad subject of street pavements.

To my mind the ideal pavement must be such that it can be constantly maintained in perfect condition with the least possible inconvenience and hindrance to the public.

Now it is perfectly possible to keep in continuous repair a macadam street, so that actual reconstruction will only take place at long intervals. This means however almost daily repair of the entire surface. It is correct in theory, and abroad has been demonstrated to be equally as correct in practice.

Paris, with something like 2,000,000 sq. yds. of macadam streets, maintains them in constant repair at an annual cost of 35 cents per sq. yd., giving steady employment in this work to about 1,300 men.

To my knowledge, such a system has not been followed in this country for a sufficient length of time to furnish reliable figures of its cost.

The practice in this City, which at present seems unavoidable, is to completely wear out a street and then rebuild it. The average cost per sq. yd. for last year was 44c. ; for 1894 it was 50c., and for the past 6 years it was 48c. Much depends upon how badly the street is worn, and how well it is rebuilt.

The length of time which it takes to wear out a street is extremely variable. Our records do not give us the desired information on this subject, for the reason that a street may, in point of fact, be worn out one or two years before it is rebuilt. As an instance, Pleasant street, from William to Elm, was macadamed in 1891, it was rebuilt the past summer. This would indicate that the street had worn four years, in reality it was practically worn out the year before.

We might say that streets on which the traffic is heavy, will probably last from three to four years. But taking everything into consideration, six years will be a fair average for the life of all macadam streets in this City, when no material amount of repair work is done.

On this basis, at an average cost of 48c. per sq. yd., it would require an annual outlay of \$70,400 to rebuild once in six years the present area of macadam. The total amount spent last year on all macadam work, new, rebuilt and repaired, was \$26,159.64. The entire amount spent on repairs and rebuilding during the past six years was only \$74,418.38, which is actually less than 1½c. per sq. yd. annually for the entire macadam surface in use during that time. Last year there was spent in repairing and rebuilding macadam, \$11,378.12, and while this is a trifle less than the average for the previous six years, it repre-

sents only about  $1\frac{1}{4}$ c. per sq. yd. on the total area of macadam. The natural conclusion to be drawn from these deductions is that the streets are wearing out faster than we can rebuild them. This is substantiated by the condition of the street themselves.

The relief for this situation lies in the adoption of some other form of pavement for the business streets of the City. There may be some difficulty in deciding which is the best kind of pavement to adopt, although I am still of the opinion that for streets without car tracks and where the grade is not over 3 feet per 100, asphalt possesses the greater number of desirable qualifications.

But immense areas of brick pavement are being laid, particularly in the west, and the reports of its use are becoming more and more flattering. In point of first cost, it is cheaper than asphalt. In point of durability the earlier pavements did not compare favorably with asphalt. They wore very uneven, and it was difficult to make repairs. There is no question but what there have been great improvements in the making of the bricks, and intelligent methods of testing have developed, so that there need be no such uncertainty as to the quality of the bricks laid as was formerly the case. I should very much like to see a trial piece of brick pavement laid in this City. It is the only practical and satisfactory manner of deciding its worth to us.

A comparison of the first cost of asphalt with that of other pavements is liable to be very misleading unless all of the conditions are clearly understood. Asphalt is always laid under contract which involves its maintenance in perfect condition, for a stated period, generally five years sometimes ten. But the most important influence on the cost is the amount to be laid and the policy as to future extensions. If both are liberal then there will be competition and low prices, otherwise there will be no competition with high prices.



It should be remembered, that to lay asphalt economically, requires a considerable plant in the City where it is to be laid. Now it is not reasonable to suppose, that any Company will erect a plant, to lay a comparatively small area of pavement with no certainty as to future work, at prices obtained in cities laying large areas with an avowed intention of continuing to do so.

Again the experience of other cities has demonstrated that with no other pavement is a small area liable to lead to such misleading conclusions as with asphalt.

That asphalt is slippery under certain conditions is admitted. These conditions are a combination of dirt and moisture, which produces a sort of slime on the surface. It is evident that a short piece of asphalt, surrounded on all sides by macadam streets is much more liable to be in this condition than a large area. An experimental section under such surroundings requires constant attention to keep it clean. This makes the expense of maintenance for purpose of comparison unfairly high.

Again a small area does not give horses sufficient opportunity to become acquainted with it. On a dirt, macadam, cobble or granite block surface, a horse pulls on his toes; but he has to learn that on asphalt he must pull flat-footed. While this reduces his hauling power it has been demonstrated by careful experimenters that while on a level road of macadam it requires a force of about 100 lbs. to overcome the resistance to traction per ton of load, it only requires 15 lbs. for the same purpose on asphalt.

The lowest and only proposal received for laying Trinidad asphalt on Pleasant street, was \$3.00 per sq. yd. This included the cost of removing the old macadam, laying a six inch cement concrete foundation, and maintaining the whole pavement in constant repair for a period of five years. The large companies refused to bid on account of the small area to be laid and the uncertainty as to future work.

From the experience of other cities, I believe that it is possible to get asphalt laid at \$2.00 per sq. yd. As to maintenance, the cost in Washington by contract was less than 3 cents per sq. yd. In Cincinnati, recent contracts were let as low as  $\frac{3}{4}$  of a cent per sq. yd. per year, for five year periods. The highest price paid was only 5c. per sq. yd. a year, which was for a street of extremely heavy traffic with two lines of car tracks.

As it would be utterly impossible to exhaust this subject in a report of this character, I will leave it here, with the hope that it will assist at least in producing a stronger demand for permanent pavements.

#### INTERCEPTING SEWER.

From time to time, the necessity for an intercepting sewer along the water front, has been referred to in a general way; but never in terms sufficiently explicit, to give to the idea definite and tangible form. In fact such reference has generally been received in a manner that would lead one to infer that an "intercepting sewer" was something in the nature of a calamity, to be put off to as distant a day as possible, and not a great system of sewerage relief for municipal troubles of a sanitary and financial character.

Furthermore it is a mistake to put off the consideration of questions of such wide importance until they are absolutely forced upon the attention of the community, by a culmination of disasters, which earlier attention might have averted.

It is my sincere belief that the present is not only the time to begin an investigation of this question; but an extremely opportune time to actually commence construction of a part of such a system.

The topography of the City south of Plainville road and



Tarkiln Hill road, is such, that considerably more than half of the drainage of this section, would naturally discharge into Clark's cove; but by far the greater part of the sewage is emptied into the Acushnet river. It also seems reasonable to suppose, that as the development of manufacturing is almost entirely confined to the river front, the river will continue to be the natural outlet for the greater part of the sewage. I would not however, have you infer from this that the western part of the City, now principally dependent upon the Tripp's Brook sewer, is well and sufficiently provided for. Neither do I approve of the location of the outlet of this and the other sewers that now discharge into Clark's cove. This is a shallow body of water, with no current except what is produced by the tides, which at best will not average as much inward as outward. While the prevailing southwest winds of summer, blowing almost directly into the Cove, not only tend to confine the sewage to the shore line, but to carry the disagreeable odors from the same over the south part of the City.

While discussing the Tripp's Brook sewer, the outlet of which is more generally known as the Bonney street sewer, I want to call your attention to the fact that a 15 inch pipe or underdrain was laid under this sewer from the Cove road north over 1,500 feet, for the purpose of providing for the dry weather flow or actual sewage and was to have been carried out into the Cove a sufficient distance to ensure it against stoppage from shifting sand and to prevent the material discharged from coming back on to the shore. I strongly recommend that this underdrain be extended with iron pipe whatever distance is necessary to accomplish the object stated. This will at least improve the sanitary condition and also increase the capacity of this portion of the sewer.

To turn to the sewerage systems of the north and east

parts of the City. This comprises at the present time 27 outlets into the river near the shore line.

The probability of a rapid increase in buildings north of Davis street and particularly in that section west of Bowditch street and north of Sawyer street will not only call for more sewers to the river; but in the latter case for considerable study to determine the best manner in which to provide a suitable system for this section, for the reason that as the ground here slopes towards the Railroad direct drainage to the river will be very expensive.

The intercepting sewer should be located as near the river as possible, and eventually extend the entire length of the City, receiving the discharge of the present 27 sewers and future additions, and conveying it to some point at the extreme south end of the City where it should empty as far from the shore as possible. The present outlets, provided with suitable tide gates, to be retained as a relief for storm flows that might over load the intercepting sewer.

We are fortunate in being able to build this sewer in sections, thus affording immediate relief wherever an existing outlet has become a nuisance. Although the matter should be carefully investigated for the entire water front and plans for the whole system made.

The final cost will be large, but by constructing a part every year as required, the expenditure of any one year need not be burdensome. By working with a definite object in view, the City will avoid unnecessary construction with its consequent expensive changes.

The section which I would suggest for immediate attention, extends from Howland street to Maxfield street, a distance of about 5,000 feet, and contains the following sewers of the size and material stated.

Howland street sewer,	36 inch wood pipe.
Coffin street sewer,	24 inch vitrified pipe.
Walnut street sewer,	30 inch brick.
School street sewer,	30 inch brick.
Shepherd's lane sewer,	10 inch pipe.
Union street sewer,	30 inch brick.
Elm street sewer,	30 inch brick.
Middle street sewer,	24 inch vitrified pipe.
Ark lane sewer,	24 inch vitrified pipe.
North street sewer,	30 inch brick.
Maxfield street sewer,	30 inch brick.

These sewers drain an area of about 360 acres of the oldest and most thickly built portion of the City.

In actual construction of the intercepting sewer for this territory it might be still further subdivided into three sub-sections.

The first to extend from Howland street to Walnut street.

The second from Walnut street to Middle street.

The third from Middle street to Maxfield street.

The first will involve the reconstruction of the Howland street sewer from Water street, where it will receive the intercepting sewer, to a point far enough into the river to ensure the discharge of the sewage in moving water. This will prevent its return to the shore in sufficient quantities to create a nuisance. Whenever the intercepting sewer is continued south this outlet may be abandoned for sewage and used as an overflow relief.

The rebuilding of the Howland street sewer is most urgently required, independent of its connection with an intercepting sewer. This with the raising of the grade of Water street is the only permanent relief for the frequent flooding between Howland and Grinnell streets.

I have not the necessary data either to enable me to recommend an exact location for the intercepting sewer, or to give estimates of the cost and details of construction. I hope however that the importance of the question will be

sufficiently appreciated to lead to an order for an exhaustive investigation and report. Speaking in a general way, the sewer should be far enough east and at sufficient depth to intercept or receive direct all the sewage of the territory under consideration.

Laying aside, if you choose, the sanitary importance of the investigation, there is still left the commercial side, which in itself is important enough to justify consideration.

Since 1880, the City has spent the following amounts on account of the sewers named.

1880	Dredging, account Coffin street sewer,	\$150.00	
1886	Dredging, account various sewers,	1,835.00	
1887	Repairing dock, account Middle street sewer,	336.81	
1888	Repairing dock, account Coffin street sewer,	6,313.68	
1890	Dredging, account Coffin street sewer,	200.00	
1892	Dredging, account Walnut street sewer,	465.97	
	Dredging, account Coffin street sewer,	195.47	
	Dredging, account School street sewer,	463.84	
	Dredging, account Elm street sewer,	562.99	
	Dredging, account Maxfield street sewer,	417.38	
1895	Dredging, account Howland street sewer,	244.80	
	Dredging, account Coffin street sewer,	206.40	
	Dredging, account Walnut street sewer,	379.20	
	Dredging, account School street sewer,	454.40	
	Dredging, account Union street sewer,	264.00	
	Dredging, account Elm street sewer,	132.00	
	Dredging, account Maxfield street sewer,	401.60	\$13,023.54
Average for past 15 years, \$868.23.			

It will be noticed that a considerable part of the expense was for repairing a dock which fell into the berth after dredging. This accident is liable to happen at any of the docks, unless in dredging great care is used not to go too deep or too close to the walls. The possibilities of expense from this cause overbalance the actual cost of dredging.

The increasing demand for greater draft, will naturally lead to more frequent calls upon the City for dredging. Having admitted the responsibility we must either continue the present system with its attendant risks, or else remove the cause.

## PARKS.

The improvements on the Common are too well known to need any detailed description. It was a peculiar and in some ways, a difficult subject to develop. The very steep slope of the land together with its location in the line of business travel, made it necessary to lay out the paths in certain pre-ordained locations and directions. Some of the stiffness of this design has been removed by the shrubs planted in the fall; but more should be planted. The more beautiful and attractive you make a public park the easier it is to maintain it so, because everybody has a feeling of pride in it. Its severest test will be the period just before the grass comes up and the shrubs send out their new leaves. Acts of actual vandalism are rare even in parks in the large cities. I hope to see a few large beds of flowers and foliage plants set out this spring in the long oval plat of ground between the two parts of Pleasant street. I would also suggest that the play ground be reserved entirely for small children.

As to the three other parks, Brooklawn, Buttonwood and Marine, some general plan of development ought to be adopted for each, and then let all work be done on those lines. I most earnestly deprecate any "hand to mouth" attempt to create a park. It is extravagant in cost and absolutely unsatisfactory in its results. Better leave everything to Nature, than to work without a definite point in view.

It is of course out of the question for me to even outline at this time my views of a proper plan for these parks. Each one should be a study by itself. Messrs. Olmsted & Eliot have submitted a plan for Buttonwood, which I believe the Park Commissioners have never passed judgment on.

There is little inducement to do much with Marine park



until it is made more accessible to the general public. I am surprised that the Electric Railway has not made overtures before this for an extension of their tracks to this park. I doubt if there is a site in the Country more beautifully located or commanding a grander view.

Mr. Eliot at the time of his visit to this City strongly advised the purchase of the "shore rights" along East French avenue and West French avenue.

It is a serious question in my mind, if it will not be a wiser course for this City in view of the many other municipal improvements pressing for attention, to confine its park work to the acquisition of such rights and tracts of land, which it can readily be foreseen will be of great value for park purposes and which can be purchased now at a reasonable cost.

#### WHARVES AND WATER FRONT.

There is little I can add to the abstract discussion of this subject in my report for 1894. The City however is to be congratulated upon what now appears to be, a successful culmination of her efforts to obtain a sufficient extent of wharf area to be of practical value for future developement. It is quite true that immediate returns from the investment, will not be at a remunerative rate from a purely business point of view. They may never be so and yet in spite of this the final benefit to the City, as a whole, in its broadest sense, may be far in excess of any commercial rate of interest on the original investment. No one ever figures up the possible return to the City, at commercial rates, on the cost of fitting a street and yet the water front is the connecting link between the highways of the water and the land. If anything, it should be treated in a broader and more liberal spirit.

Although the use of the City's wharves, is a matter en-



tirely distinct and separate from that of their ownership, it wants to be decided in the same spirit, of doing that which will ultimately bring the greatest good to the City as a whole.

In closing, I wish to thank the many citizens and members of the City Council and of other departments who have from time to time, kindly assisted this department.

Respectfully submitted,

W. F. WILLIAMS,

City Engineer.



# DETAILS OF SEWERS CONSTRUCTED IN 1896.

STREET.	LOCATION.	SIZE AND KIND OF PIPE.										TOTAL LENGTH.	Greatest cut.	Average cut.	Greatest cut in ledge.	Average cut in ledge.	Cubic y'ds ledge.	Cubic y'ds earth.	Total cubic yards excavation.	Cubic yards masonry foundation.	No. of manholes.	Pitch in feet per 100 feet.	CONSTRUCTION. (Payroll includes all labor at sewer)	Cost of payroll per foot of length.	Teaming, sharp- ening drills, pipe, dynamite, etc.	TOTAL COST OF SEWER.	Total cost per ft. in length.	AMOUNT TO BE ASSESSED.	REMARKS.	
		VITRIFIED, SALT GLAZED, CLAY.						IRON.		BRICK.																				
		8 inch.	10 inch.	12 inch.	16 inch.	18 inch.	24 inch.	20 inch.	48 inch.		42 inch double ring.																			
BY SPECIAL APPROPRIATION.																														
Acushnet avenue, Arch, Atlantic, Beetle, No. 3, Belleville avenue, No. 6, Belleville avenue, No. 7, Butler, Coffin avenue, No. 2, Coggeshall, No. 4, Court, No. 4, Davis and Riverside avenue, Jouvette, Mill, No. 6, Mill, No. 7, Morgan and Ash, Morton court, North, No. 6, Phillips avenue school drain, Pierces, Scott, Thompson, Vera Brook, Vine.	Coggeshall to 60 feet north of Cedar Grove, Arnold north 271.25 feet, Maple to 100 feet south of Arnold, Acushnet avenue to 100 feet east of Bowditch, Coffin avenue to Deane, Coffin avenue north 400 feet, River to 820.4 feet west of French avenue, Acushnet river to 402.3 feet west of Acushnet avenue, Acushnet avenue to 100 feet east of Bowditch, Cottage to 146.6 feet east of Orchard, Coffin avenue to 375.6 west of Riverside avenue. Cranio to County, County to 30 feet east of Summer, Park to Acushnet Cedar, Elm to Cedar, Cove north 463.6 feet, Newton to Liberty, Via Bowditch to Coffin avenue sewer, Elm to 100 feet south of Kempton, County west 376.5 feet, Bonney to Dartmouth, In Water, Howland south 294 feet, Durfee to Mt. Vernon.	483.10			8.00						491.10	12.74	12.39	6.40	2.52	79	597	676		1	0.50	\$1,210.14	\$822.60	\$1,532.74	\$3.12		Lowered.			
		293.25									293.25	8.59	7.66						249	249		1	1.52	122.40	\$ .42	112.85	235.25	.80	\$117.62	
		272.40									272.40	8.60	8.32						252	252		1	1.05	125.33	.46	114.71	240.04	.88	120.02	
		522.50									522.50	11.35	9.59	5.00	2.08	49	508	557		1	3.86-1.045	840.04	373.81	1,219.85	2.33	689.62				
					330.60						330.60	12.04	10.49				450	450		1	0.50	309.32	240.16	549.48	1.66	274.74				
		422.50									422.50	11.11	8.00				375	375		1	14.40-0.50	234.18	197.78	431.96	1.02	215.98				
		580.80		112.00					12.00		899.50	10.59	7.68				758	758			3.00-2.00-0.50	477.41	.53	347.19	824.60	.91		Not completed.		
		837.10	681.20				1024.80		12.00	561.00	3116.10	13.17	8.72	8.80	3.89	519	3704	4223	214	5	0.25-3.70-1.13	5,476.19	1.76	4,542.16	10,018.35	3.21	2,674.32			
			359.20								359.20	11.75	9.36	4.26	2.58	8	366	374		1	1.35	304.36			304.36				Not completed.	
		556.90									556.90	12.09	10.41				644	644		1	1.00	462.14	.83	242.65	704.79	1.25	352.40			
			1096.40				174.80	944.50			1119.30	6.77	5.37				821	821	337	1	0.185	502.10	.45	1,386.05	1,888.15	1.69				
		201.90	60.00								1096.40	7.74	4.57	5.00	1.75	23	348	371		1	0.50	315.86	.39	282.28	698.14	.64	349.07			
					253.70						201.90	8.00	6.87				200	200		1	0.85	132.56	.51	119.33	251.89	.96	125.94			Not completed.
											253.70	11.62	10.59				337	357			1.02	177.10			177.10					
											458.50	8.92	8.69				443	443		2	0.59-1.34	381.78	.83	232.43	614.21	1.34	307.10			
									493.00	7.92	6.44				298	298		1	0.50	198.65	.40	178.53	375.51	.76	187.75					
									218.30	9.43	7.82				159	159		1	0.58	96.10	.44	132.83	228.93	1.03	114.31					
									383.00	8.89	7.58				215	215			1.00	168.60	.44	67.34	235.94	.62						
									450.00	8.34	6.95				348	348		1	0.75	140.00	.31	153.21	293.21	.65	146.60					
									401.00	6.33	5.72				167	167			0.50	131.12	.33	134.88	266.00	.66	133.00					
									1275.00	12.26	8.32				1592	1592		7	2.10-2.01-2.32	902.04	.52	720.16	1,622.20	.94	811.10					
						311.00			311.00	8.00	4.60				159	159		1	2.05-2.40-3.33	433.91	1.04	438.23	762.14	2.45		Includes cost of 2 catch basins.				
						985.30			985.30	10.11	8.20				745	745		2	0.50-2.66	1,023.44	1.03	447.41	1,470.85	1.49	735.42					
Total,		383.00	8887.15	2401.30	1005.70	174.80	2280.30	12.00	12.00					678	13,755	14,433		31		\$14,060.77		\$10,884.62	\$24,945.39							
BY GENERAL SEWER APPROPRIATION.																														
Howland Dock, Morelands Terrace,	Filling in, Ash to 453.7 feet west of Page.	771.30	782.70							1554.00	11.25	8.03				1887	1887		3	0.62-0.50-1.25	946.68		646.76	1,256.33	1,693.44			Entire cost paid by abutters.		
Total,		383.00	9358.45	3184.00	1005.70	174.80	2280.30	12.00	12.00					678	15,142	15,820		34		\$15,007.45		\$11,531.38	\$27,795.16		\$8,041.66					

## STREETS LAID OUT AND ACCEPTED IN 1895.

STREET.	FROM	TO	WIDTH AND LENGTH IN FEET.		
			40	50	80
Abbott,	French ave.	Ruth (cont.),		548.89	
Ashley,	Cove	Ruth (cont.),		605.79	
Cleveland,	Cove	Ruth (cont.),		682.24	
Elm,	Newton	Liberty,	207.97		
Marvin,	Howard	Acushnet ave.	339.42		
Morelands Terrace,	Ash	Page,		757.10	
Morgan,	Cedar	Ash,	199.76		
Nye,	Acushnet ave.	Bowditch,		567.90	
Plummer,	Acushnet ave.	N. Y. N. H. & H. R. R.		1873.98	
Riverside ave.,	Coffin ave.	Earle (cont.),		1008.80	
Robeson,	Shawmut ave.	Oak Grove Cem.	621.00		
Rockdale ave.,	Cove road	Dartmouth,			1960.94
Viall,	Cove,	South,		722.95	
Vine,	Durfee	Mt. Vernon,	959.30		
Total lengths, or 2.09 miles,			2327.45	6767.65	1960.94
				11056.04 feet.	

## STREET LOCATION ALTERED IN 1895.

STREET	FROM	TO	ALTERATION	WIDTH 50
Pine Grove,	Tarkiln Hill r'd	Pine Grove cemetery.	South end moved 15 feet west.	1268.25

## STREETS LAID OUT BUT NOT ACCEPTED IN 1895.

STREET	FROM	TO	WIDTH	LENGTH
Hall,	Rivet	Thompson.	40	260.23
Hemlock,	Larch	Fruit.	40	359.92
Holly,	Belleville ave.	Acushnet ave.	50	859.44
Phillips ave.,	Riverside ave.	Acushnet ave.	50	2033.21
Swamp,	Cottage	Ash.	40	556.54
Winterville road,	Rockdale ave.	Dartmouth line.	50	1226.55
Total length,			1.003 miles, or 5295.85 feet	

## STREET WIDENINGS LAID OUT BUT NOT ACCEPTED IN 1895.

STREET	FROM	TO	WIDTH	LENGTH
Acushnet ave.,	Nash road	Tarkiln Hill road.	50 to 80	6546.12
Coffin ave.,	E. of Belleville av.	Acushnet ave.	40 to 50	1750.00
Union,	Second	Acushnet ave.	46 to 60	188.95
Weld,	Acushnet ave	Pleasant.	50 to 80	933.00
Total length,			1.767 miles, or 9328.07 ft.	

Total length of streets laid out in 1895,

16,351.93 feet, or 3.097 miles.

\*Total length of street widenings in 1895,

16,878.93 feet, or 3.197 miles.

\*Brock ave. and Rockdale ave. are not included in this total as new surveys were not necessary.

## STREET WIDENINGS LAID OUT AND ACCEPTED IN 1895.

STREET	FROM	TO	WIDENED	LENGTH
Acushnet ave.,	Cedar Grove	Nash road.	from 50 to 80 ft. both	4501.88
Cove,	Harbor	E. French ave.	from 50 to 60 ft. n. s.	784.27
Fourth,	Union	School.	from 38 to 50 ft. e. s.	476.95
Gifford,	Harbor	The River.	from 40 to 50 ft. s. s.	652.00
Harbor,	Cove	Gifford.	from 50 to 60 ft. e. s.	938.80
Union,	Fourth	Acushnet ave.	from 46 to 60 ft. s. s.	196.35
*Brock ave.,	W. French ave.	Marine Park.	from 40 to 80 ft. both	7413.71
*Rockdale ave.,	Allen	Buttonw'd P'k.	from 50 to 80 ft. w.s.	2010.35
*Rockdale ave.,	Buttonw'd P'k	Kempton.	from 50 to 80 ft. w.s.	742.46
Total length,				18,716.77

\*Originally accepted in 1893, but acceptance declared illegal.

## Street names changed in 1895.

North Front street, from Walnut to Bridge,  
changed to Front street.

Gammons' Lane, Ashland east, changed to  
Ashland Place.

## Street discontinued in 1895.

Davis street, from Riverside avenue to the  
River, 413.58 feet; 50 feet wide.



STREETS UPON WHICH LEVELS WERE RUN, PROPOSED  
GRADES FIXED BUT NOT ESTABLISHED.

STREET.	FROM	TO	LENGTH	FOR WHAT PROPOSED.
Arnold,	Chancery	Park.	274.3	Gutters.
Belleville road,	Belleville ave.	Acushnet ave.	1260.0	Water pipe.
Chancery,	Parker	Tilton.	697.6	Water pipe.
Chestnut,	Locust	Robeson.	600.0	New houses.
County,	Cove	Division.	557.5	Curbing.
Edward,	Dartmouth	Field.	600.0	New houses.
Healy,	Belleville road	North.	350.0	New house.
Main,	Acushnet line	Acushnet ave.	800.0	Gutters.
Merrimac,	County	Cottage.	923.5	New house.
Penniman,	County	Reynolds.	400.0	School house.
Phillips	Riverside ave.	Brook.	3230.0	New houses.
Purchase,	Pearl	Pope.	364.6	Curbing, etc.
Reynolds,	Clark	Peckham.	721.4	School house.
Russell,	Sixth	East.	104.3	New houses.
Sand,	Grit	Cove.	285.0	New houses.
Silvia,	River road	Belleville ave.	618.9	New houses.
Sixth,	Russell	North.	144.0	New houses.
Spring,	Acushnet ave.	Fourth.	209.5	Building.
Water,	Grinnell	Howland.	530.0	Raising houses.
30-foot way,	County, west	S. of Weld.	208.5	New house.

Total length,

13,579.1 feet, or 2.572 miles.

STREETS UPON WHICH LEVELS WERE RUN AND GRADES  
ESTABLISHED IN 1895.

STREET	FROM	TO	LENGTH
Acushnet ave.,	Cedar Grove	Nash road.	4501.88
Brock ave.,	Butler	Marine Park.	4140.00
Cove,	Harbor	E. French ave.	784.27
Fourth,	Union	School.	476.95
Gifford,	Harbor	The River.	652.00
Harbor,	Cove	Gifford,	938.80
Morelands Terrace,	Ash	Page.	757.10
Morgan,	Cedar	Ash.	199.76
Nye,	Acushnet ave.	Bowditch.	567.90
Pine Grove,	Tarkiln Hill road	Pine Grove cemet'y.	1268.25
Plummer,	Acushnet ave.	N.Y., N.H.& H.R.R.	1873.98
Riverside ave.,	Coffin ave.	Earle (cont.).	1008.80
Robeson,	Shawmut ave.	Oak Grove cemetery.	621.00
Union,	Acushnet ave.	Fourth.	196.35
Total length,		3.407 miles, or 17,987.04 feet.	

STREETS UPON WHICH LEVELS WERE RUN, PROFILES  
MADE, BUT NO FURTHER ACTION TAKEN IN 1895.

STREET.	FROM	TO	LENGTH	AT REQUEST OF
Acushnet ave.,	Spring	Union.	210.8	Bd. Pub. Wks.
Acushnet ave.,	Nash road	Tarkiln Hill r'd	5986.12	"
Allen,	County	Green.	342.8	"
Ashland,	Clark	Cedar Grove.	500.0	Ins. Buildings.
Ash,	Elm	Morgan.	219.2	Bd. Pub. Wks.
Austin,	Wilson	Shawmut ave.	505.4	"
Cannon,	East of Water	Second.	599.2	"
Chancery,	Parker	Campbell.	549.5	"
Clay,	Ward	Oak.	494.0	"
*Coffin ave.,	The River	Belleville ave.	1575.0	"
Coffin,	The River	Second.	697.0	"
Cottage,	Hawthorn	Arnold.	795.0	
Dartmouth,	Allen	Rural cemet'y.	1850.0	U. S. R. R.
Delano,	Water	County.	609.6	Bd. Pub. Wks.
Division,	County	Crapo.	1057.6	"
Earle,	River	Riverside.	330.0	"
Front,	Potomska	Grinnell.	1025.0	"
Grant,	Purchase ave.	Mt. Pleasant.	1314.0	"
Griffin,	East of Water	Second,	506.0	"
Grit,	W. French ave.	Shore.	380.5	
Hall,	Rivet	Thompson.	260.2	Bd. Pub. Wks.
Hall,	Thompson	Rockland.	368.8	"
Holly,	Acushnet ave.	Front.	337.0	"
Katherine,	County	Crapo.	879.1	"
Margin,	Cove road	Cove.	400.0	"
Marine Park,	E. French ave.	W. French ave.	2080.0	Park Com.
Mill,	Hill	Ash.	1891.5	Bd. Pub. Wks.
Morgan's lane,	Water	Second.	350.6	"
*Pleasant,	Union	Kempton.	1305.0	"
Potomska,	Prospect	Water.	374.5	"
Prospect,	Potomska	Grinnell.	1000.0	"
Purchase,	Purchase	Grant.	1402.5	"
Purchase,	Weld	Clark.	180.0	"
Second,	Cannon	Coffin.	284.0	"
Sixth,	Walnut	School.	336.7	"
Sixth,	Russell	Cherry.	368.0	"
South,	The River	Water.	714.0	"
Summer,	Locust	Robeson.	522.0	Private Party.
Union,	Second	Acushnet ave.	188.8	Bd. Pub. Wks.
W. French av.,	Warren	Cove road.	510.0	
Willis,	Shawmut ave.	Park.	465.5	
Winterville r'd,	Rockdale ave.	Dartmouth line	1226.5	Bd. Pub. Wks.

Total length, 34,991.42 feet, or 6.629 miles.

\*Street cross sectioned.

Total length of levels run, 66,557.56 feet, or 12.605 miles.

## STREETS NUMBERED.

STREET	FROM	TO	Interval in feet	No. of Numbers
Bedford,	Acushnet ave.	Ash.	25 & 40	70
Court,	County	Reed.	20	44
Front,	Walnut	Bridge.	20	56
Grove,	Orchard	Ash.	50	6
Howland,	Prospect	Acushnet ave.	about 10	54
Lincoln,	Union	Arnold.	30	10
Mill,	Ash	Newton.	20	9
Miscellaneous,				20
Total, 7 streets,				269

## MISCELLANEOUS WORK DONE.

## PRIVATE PARTIES.

Grade for houses, steps and line curb,	167
Lines for houses, steps and line curb,	11

## WATER WORKS.

Grades for pipes and hydrants,	29
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## PUBLIC BUILDINGS, ETC.

Lines and grades for two new school houses.  
 Cross section of one school lot and part of another.  
 Location of Division street school.  
 Survey of Engine house lot, Head of River.

## SEWER CONSTRUCTION.

Grades given for construction,	60
Separate trips to measure branches or ledge,	69

## CITY SOLICITOR.

Survey of houses and land, east side, Summer south of Parker.  
 Survey of houses and land, southeast corner of Willis and Summer.  
 Survey of houses and land, northeast corner of Wilson and Austin.

## CITY COUNCIL, COMMITTEE ON ARMORIES.

Survey, levels and lines of range. Also plans and profiles.  
 Plans, grades and lines for building pits.  
 Inspection while building pits, etc.

## SCHOOL COMMITTEE.

Measures of Division street school house.

## CEMETERY BOARD.

Survey and plan Rural cemetery.  
 Lines and levels for 14 sections or parts of sections.  
 Lines for fences and walls.  
 Designs for Gate Posts, Oak Grove cemetery.

## PUBLIC WORKS DEPARTMENT.

New Crusher plant, plans, lines and grades.

## DREDGING DOCKS.

Soundings in 8 docks and report to Board of Public Works.  
 Inspection of dredging operations.

## COGGESHALL STREET BRIDGE.

Measures on old bridge, plans, and report to Committee on Roads,  
 Bridges and Sewers.  
 Grades and lines for repairs.  
 Specifications and plans for repairs.

## MISCELLANEOUS.

Grades and lines for curb and gutters,	56
Grades and lines for grading streets,	23
Grades for catch basins and eyeholes,	28
Grades for drains,	26
Branches for drains,	94
Levels on old sewers, etc.	6
Measurements of five cargoes of curbing.	
Measurement of one cargo of flagging.	
Measurement of one car load of lumber.	
Plan of buildings at City Stables.	
Location of street car tracks.	
Location of car tracks in Pearl street, east of Acushnet avenue.	
Examination and plan of fire reservoir, Pleasant north of Maxfield.	
Cross section one gravel lot.	
List of street signs needed, and superintendence of putting up signs.	

## PARK COMMISSION.

Line for path from Acushnet station to Brooklawn (length 2,522.55).  
 Line and grades for entrance and fence at Brooklawn.

## COMMON.

Plans of proposed improvements, with estimates and report.  
 Lines and grades for improvements.  
 Survey of Common after improvements.  
 Plan of Common after improvements.

## WHARVES.

Sounding at end of wharves.  
 Survey two wharves.  
 Location of buildings on Taber's wharf.

## TELEPHONE CONDUITS.

Levels on and location of new conduits, including measures of all  
 drains, etc.  
 Plans, etc., for laying conduit through fire reservoir and by one sewer.



## UNION STREET RAILWAY.

Grades given for relaying track.

Acushnet ave. and Weld st., Lunds corner to Purchase st.,	11,630.3
Purchase street, Weld to Union,	6,257.0
Fourth street, Bedford to Rivet,	2,714.8
Rivet street, Fourth to Water,	849.1
Potomska street, Fourth to Water,	723.8
Bedford street, Fourth to Green,	1,106.1
Green and Allen streets, Bedford to Dartmouth,	567.0
New Bedford & Fairhaven bridge,	2,250.4
Water street, Potomska to Cove,	2,423.0

Total length, 5.22 miles or 27,539.5 feet.

Lines in Weld street and Acushnet avenue, from Railroad to Sawyer street, for moving track to centre of street.

## TIDE GAUGE.

Levels on two very high tides, February 8th and December 31st.  
Soundings in channel.

## DREDGING.

By the dredge Yankee Notion of Fall River.

Owner	Location	cu. yds.	Cost.
City,	Howland street,	765	\$244.40
F. T. Akin & Co.,	Coffin street,	645	206.40
Philadelphia & Reading,	Walnut street,	1,185	379.20
N. Y., N. H. & H. R. R.,	School street,	1,420	454.40
"	Elm street,	215	132.00
City,	Union street,	825	264.00
Denison Bros.,	Maxfield street,	1,255	401.60
Total,		6,310	\$2,082.00

## COMMON.

Tar concrete walk, 8 feet wide, 619 feet,	550 square yards.
Tar concrete walk, 6 feet wide, 5,636 feet,	3,757 "
Corners, etc.,	207 "
Gravel walk, 15 feet wide, 308 feet,	513 "
Total length and area of walks, 6,563 feet,	5,027 "
Cobble gutters, 3 feet wide,	945 feet.
Catch basins (new),	7 "
New curb on Pearl and Pope streets,	1,784.2 "
Hammered curb on Purchase street,	432 "

## SHRUBS.

Plants in Privet Hedges,	611
Plants in Pleasant street Hedge,	600
Shrubs, flowering and foliage,	255
Vines and creepers,	30
Specimen shrubs,	33
To set in Spring,	
Box hedge around monument,	300
Specimen Box plants,	2
Total,	<hr/> 1,831

The parties who furnished the shrubs and plants, have agreed to fix a tag, in the Spring, to each, giving its botanical name and common name when possible.

IN BOARD OF ALDERMEN,

January 23, 1896.

Received and ordered printed in the City Documents  
and sent down for concurrence.

D. B. LEONARD,

City Clerk.

IN COMMON COUNCIL,

1 mo. 23, 1896.

Concurred.

WM. A. MACKIE,

Clerk.





1895—CITY DOCUMENT No. 12.

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ANNUAL REPORT

—OF—

SUPERINTENDENT OF PUBLIC BUILDINGS,

—ALSO—

INSPECTOR OF BUILDINGS,

FOR THE YEAR 1895.

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NEW BEDFORD:  
MERCURY PUBLISHING COMPANY, CITY PRINTERS.  
1896.



IN BOARD OF ALDERMEN,

July 9, 1896.

Received, ordered printed in the City Documents, and  
sent down for concurrence.

D. B. LEONARD,

City Clerk.

IN COMMON COUNCIL,

7 mo., 9, 1896.

Concurred.

WILLIAM A. MACKIE,

Clerk.

# REPORT

—OF—

## Superintendent of Public Buildings.

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OFFICE OF SUPERINTENDENT OF PUBLIC BUILDINGS,

NEW BEDFORD, Mass., January 1, 1896.

*To His Honor the Mayor and City Council of the City  
of New Bedford.*

GENTLEMEN:—The principal public building work of the past year, has been the erection of two new eight room schoolhouses, both being located at the north end of the city,—that on Clark street, is now roofed in, and the interior ready for plastering. This will be pushed to completion as rapidly as is consistent with good construction.

The other, located at the junction of Bowditch street and Phillips and Plummer avenues, has the basement story erected, with the first floor timbers in place. It has been deemed wise to cover over the walls of this building during the winter, rather than lay brick in freezing weather. Work will be resumed as early in the spring as practicable.

Both of these buildings are of brick construction, with local granite trimmings, and slated roofs, and are to be

devoid of unnecessary and expensive ornamentation ; they are to contain the most approved system of heating, ventilation, and sanitary arrangements.

A new structure has been erected at the City Stables, for the housing of the new stone crusher, together with a new boiler and engine house in connection therewith.

The principal work in the way of repairs, has been the repairing and refitting, and steam heating of the City Hall building throughout. This was a much needed work, and was found to be a work of much greater magnitude than was expected. The improved appearance of the whole interior of the building, cannot fail however to show the necessity for the outlay.

Numerous repairs have been made on schoolhouses and other buildings, under the direction of the proper committees.

Respectfully submitted,

EDMUND O'KEEFE,  
Superintendent of Public Buildings.

REPORT

—OF—

INSPECTOR OF BUILDINGS.

IN BOARD OF ALDERMEN,

July 9, 1896.

Received, ordered printed in the City Documents, and  
sent down for concurrence.

D. B. LEONARD,

City Clerk.

IN COMMON COUNCIL,

7 mo., 9, 1896.

Concurred.

WM. A. MACKIE,

Clerk.

# REPORT.

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## BUILDING STATISTICS FOR 1895.

Whole number of permits issued during the year for new buildings, alterations and repairs was 554, the estimated value being \$1,301,871. Classified as follows :

Buildings for manufacturing purposes,	\$481,710.00
Dwellings, singly and in blocks,	520,256.00
Stores and dwellings combined,	18,350.00
Charitable institutions, and churches,	47,500.00
Business buildings, (stores and offices,)	6,725.00
City buildings (new, completed, and old repaired,)	84,300.00
Additions to dwellings, and buildings moved, altered, and repaired,	89,360.00
Miscellaneous structures, (stables, sheds, etc.,)	53,670.00
	<hr/>
	\$1,301,871.00

Number of new dwellings erected, 201, containing 501 tenements.

Number of tenements over stores added, 26; making total number of tenements erected, 527.

The limits of the first fire districts have been extended to include certain sections in the centre of the city, which the Committee on Buildings in the Fire District believed should have greater protection against fire. This was done by an ordinance prepared by the City Solicitor, and approved June 27, 1895. Some cases have come to the notice of the Inspector, of violations of the building laws, both State and Municipal. It is gratifying however to



note a cheerful compliance with the laws, on the part of owners and builders, when proper explanations have been made.

Some improvements have been introduced in the construction of buildings containing stores, with dwellings in the upper stories, by putting in brick partition walls between stores, and between stores and stairways leading to the upper stories, and by a proper system of fire stopping, when necessary.

It is hoped that efforts in this line will not be relaxed until all reasonable safeguards against fire shall become the rule, rather than the exception.

Respectfully submitted,

EDMUND O'KEEFE,

Inspector of Buildings.

1895—CITY DOCUMENT No. 13.

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REPORT  
OF THE  
BOARD  
OF  
OVERSEERS OF THE POOR  
OF THE  
CITY OF NEW BEDFORD,  
FOR THE YEAR 1895.

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NEW BEDFORD:  
MERCURY PUBLISHING COMPANY, CITY PRINTERS.  
1896.



## MEMBERS OF THE BOARD.

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JAMES E. STANTON,  
CHARLES S. PAISLER,  
CHARLES A. B. PETERSON.

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## OFFICERS OF THE BOARD.

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JAMES E. STANTON,  
*Chairman and Secretary.*  
ELLA F. BUCKLYN,  
*Clerk to the Board.*  
EDWIN E. WAITE,  
*Physician to the Board.*  
AUGUSTUS A. WOOD,  
*Visitor to the Board.*  
ALBERT A. CHACE,  
*Superintendent of Almshouse.*  
MRS. ALBERT A. CHACE,  
*Matron of Almshouse.*  
REV. EDWARD WILLIAMS,  
*Chaplain of Almshouse.*  
STEPHEN P. COFFIN,  
*Superintendent of Wood and Coal Yard.*



# REPORT.

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*To His Honor the Mayor and the City Council of the  
City of New Bedford.*

GENTLEMEN :—The close of the year reminds us, that we are again to present to your consideration a statement of our ministrations to the poor of our city for the year ending December 31, 1895.

We have given to you, itemized tables and statistical calculations, made up as clearly and concisely as possible, which we respectfully submit to your perusal.

The amount of our appropriation was \$37,800.00. The gross expense of the department was \$40,141.84, leaving a deficit of \$2,341.84 to be transferred from unappropriated funds. The City Treasurer has received reimbursement from the Commonwealth, from various cities and towns, and from individuals for aid rendered, to the amount of \$9,951.83, leaving as net expenditure for this department, \$30,190.01.

The amount of money required cannot be accurately estimated at the beginning of the year, for we know not what contingences may arise. In a city, as ours, yearly growing in the erection of new mills, it leads to a rapid accession to the population, and of those who are least prepared to battle with misfortune.

We have endeavored to follow our same idea of giving relief as formerly a thorough investigation of the necessity, and as judicious care in giving aid as consistent with our



knowledge. We believe in a full and thorough investigation of those asking aid, and have so instructed our visitor.

One point, which may not be inopportune, I will touch upon now. It appears to the Board to be expedient to devise some way to separate the workhouse department from the pauper department, whereby the sentenced ones could be cared for apart from the poor who are given a home at the almshouse. It has been a problem agitated at several times among ourselves, and the best solution appears to us, if there could be some building erected on the farm, whereby we could have the services of those strong, able bodied men and women, who, by reason of drunkenness are committed to a term in the workhouse, returned to their own quarters after their labors were completed, thereby isolating them from the inmates, and while idle, confining their influence to themselves, which has been proven a serious detriment to the worthy poor. After careful observation on our part, we have come to the conclusion that the greater part of the cases of discord and confusion have arisen from those sentenced. We are not about to argue that there is no trouble ever among the poor, but it is not of a very serious nature, such as may arise from the monotony caused by restraint. We never forget the fact that where there is no restraint, or no one to govern, we cannot expect peace and quietness, two things very much to be desired in an institution like ours.

The Board feel under obligations to all the employees for their courtesy, kindness, and faithful manner in which they have performed the duties of the office.

Respectfully submitted,

JAMES E. STANTON,  
CHARLES S. PAISLER,  
CHARLES A. B. PETERSON.

## FINANCIAL STATEMENT.

DR.

To amount of appropriation,	\$37,800.00
“ “ “ transfer from unappropriated funds,	2341.84
	<hr/> \$40,141.84

CR.

By amounts expended, as per monthly audits, as follows:

MONTHS.	Outside Relief.	Lunatic Hospitals.	Cities and Towns.	Almshouse.	TOTALS.
January,	\$1,914.53	\$2,380.32	\$218.75	\$909.24	\$5,422.84
February,	1,982.76	162.89	54.47	903.05	3,103.17
March,	1,656.92		123.61	980.33	2,760.86
April,	1,565.61	2,454.73	16.92	951.95	4,989.21
May,	1,127.10	246.35	36.34	775.29	2,185.08
June,	1,059.08			807.78	1,866.86
July,	1,186.38	2,653.17	134.49	961.29	4,935.33
August,	950.56	101.87		776.61	1,829.04
September,	1,310.50		20.56	845.63	2,176.69
October,	1,364.69	2,672.67		1,053.73	5,091.09
November,	1,036.44	243.35		1,041.34	2,321.13
December,	1,691.59		170.84	1,598.11	3,460.54
Totals,	\$16,846.16	\$10,915.35	\$775.98	\$11,604.35	\$40,141.84

# EXPENDITURE IN DETAIL FOR OUTSIDE RELIEF IN 1895.

MONTHLY AUDITS	Groceries	Lunatic Hospital	Cities and Towns	Cash Orders	Salaries and Travel	Physician and Medicine	Burials	Boots and Clothing	Transportation	Horse Hire	Office Expense	Stationery and Printing	Board Outside	Wood and Coal Yard	Totals
January,	\$980 25	\$2380 32	\$218 75	\$131 60	\$205 48	\$103 94	\$96 00	\$12 70			\$ 85	\$9 84		\$373 87	\$4513 60
February,	820 50	162 89	54 47	152 98	245 83	135 00	51 00		\$25 00		2 05	4 10		546 30	2200 12
March,	662 20		133 61	103 00	269 47	135 00	65 00			\$6 00	52 25	9 10		354 90	1780 53
April,	600 00	2454 73	16 92	136 58	254 16	140 10	60 00			3 00	4 45	28 87		338 45	4037 26
May,	553 50	246 35	36 34	127 09	204 16	135 00	30 00	6 10			6 00	9 02	\$11 43	50 80	1409 79
June,	482 45			134 45	204 16	135 00	53 00					3 22		40 80	1059 08
July,	447 50	2653 17	134 49	153 65	204 16	135 00	153 50				6 35		45 42	40 80	3974 04
August,	441 50	101 87			204 16	135 00	130 50				1 50			37 90	1052 43
September,	516 47		20 56	283 62	204 16	135 00	75 00	1 50			55 75			39 00	1331 06
October,	379 00	2672 67		167 04	204 16	135 00	83 00	11 50			38 12	15 87		331 00	4037 36
November,	351 50	243 35		164 30	204 16	135 00	109 00				95			71 53	1279 79
December,	842 00		170 84	152 90	204 16	136 50	43 00	9 10			2 25	15 92		285 76	1862 43
Totals,	\$7076 87	\$10,915 35	\$775 98	\$1707 21	\$2608 22	\$1595 54	\$949 00	\$40 90	\$25 00	\$9 00	\$170 52	\$65 94	\$56 85	\$2511 11	\$28,537 49

# DETAILED EXPENDITURE AT THE ALMSHOUSE, 1895.

MONTHS.	Flour and Grain	Dry Goods and Clothing	Beef, Fish, etc., etc.	Groceries	Shoes, Hats and Leather	Furniture and Crockery	Hardware	Fuel	Repairs on Premises	Carrriages, Repairs and Blacksmithing	Superintendent, Labor and Nursing	Medicine	Oils, Paints, etc.	Dressing	Miscellaneous	Totals.
January,	\$79 60	\$33 07	\$83 86	\$158 85	\$16 80	\$4 63	\$9 33	\$144 80	\$5 25	\$1 50	\$320 89	\$36 37	\$2 64		\$1 65	\$909 24
February,	66 95	50 50	84 80	171 59	15 69	10 81		85 81	3 15	71 62	315 48	26 65				903 04
March,	82 94	32 42	93 89	163 99	10 50	2 22	4 55	105 68	9 29	113 26	329 39	24 00	6 20		2 00	980 33
April,	87 47	45 18	78 13	263 79	22 40	2 97	23 29	117 09	9 28		316 48	36 37			9 50	951 95
May,	95 84	34 69	82 69	135 08	21 89	50	6 36	62 85	1 40	4 85	312 05	12 35	4 74			775 29
June,	70 37	37 79	84 07	95 01	11 45	11 52	45 40	41 11	6 35	34 19	333 42	16 85	1 55		18 70	807 78
July,	125 30	12 46	90 38	145 55	9 00		44 01	28 24	2 45	13 50	454 05	21 35			15 00	961 29
August,	63 16	35 25	93 14	142 43	15 77	7 50	32 72	55 20	1 75		308 60	19 35	50		1 24	776 61
September,	97 59	44 20	81 24	125 83	16 73	5 75	4 05	8 50	5 75	20 68	309 50	20 80	44 41		60 60	845 63
October,	107 72	48 22	92 96	154 39	28 77	4 21	15 86	75 62	3 70	138 00	343 20	24 53			16 55	1053 73
November,	116 04	64 00	93 72	182 51	50 27	18 61	7 09	84 84	134 97		280 79	8 50				1041 34
December,	77 35	50 03	69 20	143 18	21 81	21 55	5 75	133 30	1 40	48 56	325 45	28 61	5 60	\$573 82	92 50	1598 11
Totals,	\$1070 33	\$467 81	\$1038 08	\$1822 20	\$241 08	\$50 27	\$198 41	\$943 04	\$184 74	\$446 16	\$3949 30	\$275 73	\$65 64	\$573 82	\$217 74	\$11,604 35

## STATISTICS OF OUTSIDE RELIEF.

Gross cost of persons outside of Almshouse, 1895,	\$28,537.49
Amount paid for support of persons in State lunatic hospitals, and in other cities and towns chargeable to this city,	11691.33
Number of families aided in 1895,	635
"    "    settlement here,	298
"    "    settlement elsewhere,	104
"    "    State paupers,	233
Number of persons aided,	2658
"    "    settlement here, males, 390 females 659.	
"    "    settlement elsewhere, males 238, females 270,	
"    "    State paupers, males 445, females 646,	
Average cost of aid to each family, yearly,	\$26.52
Average cost of aid to each person, yearly,	6.33

## TRANSPORTATION.

Number of families sent to their homes,	6
Number of persons sent to their homes,	9
Number of persons sent to State Almshouse,	49

## BURIALS.

Males 48, females 42,	90
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## INSANE.

Number of insane at asylums during the year, males 37, females 44,	81
Remaining at city's expense, Dec. 31, 1895,	
At Taunton Lunatic Hospital,	54
Westborough Insane Hospital	3
Worcester Insane Asylum,	1
Worcester Lunatic Hospital,	2
State Almshouse Hospital,	1

## PAUPERS AIDED ELSEWHERE.

But having settlement here (exclusive of lunatics,) families 26, persons 51.	
Amount paid for their support in 1895,	\$775.98

## ALMSHOUSE REGISTER.

Number remaining Dec. 31, 1894,

78

MONTHS.	ADMITTED.	DISCHARGED.	REMAINING.
January,	7	9	76
February,	8	5	79
March,	9	12	76
April,	10	16	70
May,	6	12	64
June,	2	7	59
July,	16	4	71
August,	11	11	71
September,	14	7	78
October,	15	17	76
November,	13	8	81
December,	14	10	85
TOTALS,	125	118	

Whole number during the year,	203
Discharged during the year,	118
Remaining, December 31, 1895,	85
Average daily number,	71

## PRODUCTS OF FARM FOR 1895.

Hay,	116 tons.
Straw,	8 "
Squashes,	16 "
Potatoes,	889 bushels.
Oats,	373 "
Beets,	312 "
Carrots,	10 "
Onions,	30 "
Turnips,	700 "
Parsnips,	20 "
Peas,	37 "
String beans,	25 "
Dried beans,	7 "
Sweet Corn,	650 doz. ears.
Cabbage,	1,890 heads.
Pork,	7,136 pounds.
Veal,	520 "
Milk,	30,921 quarts.
Celery, tomatoes, and cucumbers in abundance.	



## WORKHOUSE REGISTER.

Number remaining, Dec. 31, 1894,

18

MONTHS.	ADMITTED.	DISCHARGED.	REMAINING.
January,	1	2	17
February,	8	4	21
March,	4	8	17
April,	3	4	16
May,	0	4	12
June,	2	2	12
July,	2	3	11
August,	6	1	16
September.	2	6	12
October,	5	4	13
November,	6	3	16
December,	4	5	15
TOTALS,	43	46	

Whole number during the year,	61
Discharged during the year,	46
Remaining, Dec. 31, 1895,	15
Average daily number,	17

# REPORT

OF THE

## Physician to the Board of Overseers of the Poor.

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GENTLEMEN :—I herein submit to you a report of the work done by myself for the Board during the year.

Whole number of house-visits made, twelve hundred and seventy-five (1275). Number of office consultations, five hundred and fifty-seven (557). The almshouse was visited ninety-seven (97) times.

There occurred during the year thirty-two (32) deaths. There were also twenty-seven (27) cases of child-birth.

I would like to take this opportunity of thanking the members of the Board and their employees for the invariable courtesy with which I have been treated the past year.

Very respectfully,

EDWIN E. WAITE, M. D.

IN BOARD OF ALDERMEN,

March 26, 1896.

Received and ordered printed in the City Documents  
and sent down for concurrence.

D. B. LEONARD, City Clerk.

IN COMMON COUNCIL,

3 mo. 26, 1896.

Concurred.

WM. A. MACKIE,

Clerk.





1896—CITY DOCUMENT No. 14.

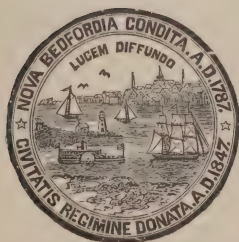
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## SECOND ANNUAL REPORT

OF THE

# DEPARTMENT OF PARKS

For the Year 1895.



NEW BEDFORD, MASS.:

PRINTED FOR THE COMMISSIONERS.

1896.

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NEW BEDFORD:

MERCURY PUBLISHING COMPANY, CITY PRINTERS.

1896.





## COMMISSIONERS.

DAVID L. PARKER,  
OLIVER PRESCOTT, JR.,  
SAVORY C. HATHAWAY.  
GEO. F. BARTLETT,  
CHAS. O. BRIGHTMAN,

---

## OFFICERS.

CHAIRMAN EX-OFFICIO.  
DAVID L. PARKER.

---

SECRETARY.  
WILLIAM S. COOK.

---

SUPERINTENDENT.  
CHARLES F. LAWTON.

---

CONSULTING ENGINEER.  
W. F. WILLIAMS,  
City Engineer.



# REPORT.

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CITY OF NEW BEDFORD,

OFFICE OF PARK COMMISSION,

ODD FELLOWS' BUILDING,

January 4, 1896.

*To the City Council of the City of New Bedford.*

GENTLEMEN :—The Board of Park Commissioners herewith present for your consideration, their second annual report for the year 1895.

## PARK COMMISSION.

At the first meeting in the year the Board organized with Hon. David L. Parker, Mayor, Chairman ex officio; Oliver Prescott, Jr., President of the Common Council, Morgan Rotch, George F. Bartlett, Savory C. Hathaway.

The annual organization was held in May. Hon. Morgan Rotch was succeeded by Charles O. Brightman. William S. Cook was elected Secretary, and Charles F. Lawton, Superintendent of Parks.

During the year forty meetings have been held.

With the limited appropriations of the year there has been little that the Commission could do towards improvement, with the exception of the work done on the Common, for which a generous appropriation was granted.

It was necessary to spend the greater part of this appro-

priation for grading, curbing, and walks. The interior spaces can hereafter be developed by the use of trees, shrubs, and flowers at comparatively small expense. The other chief improvement took place at Marine Park, consisting of a new driveway along the north line of the Park, connecting East French and West French avenues, and the fixing up of the wharf, so that steamers and other vessels can safely make a landing.

This park could, no doubt, at considerable expense, be made a very popular resort, possessing as it does, unrivaled advantages of location and contour.

Some work has been done at Brooklawn Park to make it more accessible to the public, and to improve and enlarge those portions to which the public are the most attracted. The great numbers visiting Brooklawn during the summer attest the appreciation and approval of a wise provision for the comfort and recreation of our citizens. While no very important additions or improvements are at present being considered, we feel that something should be done every year to make the parks more attractive; and the improvements suggested by the Superintendent for Brooklawn are directly in this line.

A pavilion for Marine Park is a necessary feature, and would have been built during the past year but for the lack of funds.

While the area comprised within the lines of Buttonwood Park remains largely in the same condition as when purchased by the city, the opportunity for development is good, and it would seem advisable to supplement what we already have by the purchase of additional land on both the north and south, making Kempton and Hawthorn streets the respective boundaries.

We believe that if nothing in the way of improvement at this park is done, sufficient land should be purchased at the north to connect this park with Kempton street.

In winter, the large skating pond attracts thousands of people who naturally reach the park by use of the street cars on Kempton street. Entrance to the public property can only be effected then by crossing private property, which is a decidedly objectionable feature. With Brooklawn as the "summer park" and Buttonwood as the "winter park," we feel that the property alluded to at Buttonwood should be immediately purchased.

The original park loan has been entirely exhausted, so that additional money will have to be appropriated should our views of land purchase meet those of your honorable body.

Attention is respectfully called to the reports of the Superintendent and Secretary which accompany and are made a part of this report.

All of which is respectfully submitted.

DAVID L. PARKER, Chairman,	}	Board of Park Commissioners.
OLIVER PRESCOTT, JR.,		
GEORGE F. BARTLETT,		
SAVORY C. HATHAWAY,		
CHARLES O. BRIGHTMAN,		





SECOND ANNUAL REPORT  
OF THE  
SUPERINTENDENT OF PARKS  
FOR THE YEAR 1895.



# Superintendent's Report.

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OFFICE SUPERINTENDENT OF PARKS,

ODD FELLOWS' BUILDING,

January 4, 1896.

*To the Park Commissioners of the City of New Bedford.*

GENTLEMEN :—The second annual report of the work of this department for the fiscal year of 1895, is herewith submitted.

With the exception of the Common and Marine Park, no marked improvements or additions have been made. The special appropriation of \$10,500 has been entirely used for the improvement of the Common.

Following the order of the report for last year, I will state briefly what has been done at each park, with suggestions as to what I believe might be done at small expense, to make the parks more popular.

## BROOKLAWN PARK.

This park has proved very attractive owing not only to its natural beauty and well developed condition, but also to the ease of access by street cars, and the fact that it is situated on the principal avenue leading from the city.

During the summer months band concerts were given on Sunday afternoons at the expense of the Union Street Railway Company, it having erected a commodious stand

for this purpose. These concerts proved very popular and attracted large numbers of visitors.

A gravel walk has been constructed from the north-west corner of the Park Drive, along the line of Bowditch street, to the sixty foot strip given the Board by Mr. George F. Bartlett, trustee; thence along this strip to a point on the Tarkiln Hill road near Acushnet station on the railroad. A second walk five feet in width has been constructed following the line of Bowditch street to Tarkiln Hill road. These walks make the park easy of access to such people as choose a ride on the steam cars.

To avoid the danger from carriages meeting on the narrow drive through the woods, signs have been placed at either end of the drive, indicating in which direction carriages should go. Early in the summer a handsome flag pole made from the mast of one of our old whalers was erected on the lawn in front of the house, and during the summer the flag is kept flying on pleasant days.

A new entrance driveway from Acushnet avenue has been made at the south end of the park, thus avoiding the hill on the avenue and the narrow gateways at the other entrances. By trimming the edges of the avenues, judicious pruning of a few trees, and the setting out of a few beds of flowers, the appearance of the lawn in front of the house has been greatly improved. A number of large lunch tables have been placed for the convenience of those who wish to picnic in the park.

The improvements we can make at any of our parks are of course limited by the amount of money we have to spend; but there are a few improvements that can be made at Brooklawn that would be of such small cost and of such decided value, that I feel justified in calling them to your attention.

The avenues for driving, with the exception of the new one above mentioned should be at least double their pres-

ent width, to give proper facilities for the large number of carriages that visit this park all through the summer season.

The pond should be increased to about three times its present size, leaving an island in the centre on which the ducks and geese can take refuge from the attacks of unruly children. The present pond and the fine flock of fowl we have there, form one of the most attractive and instructive features of this park, and a larger pond which can be made at little expense would be a source of great pleasure to many.

By raising the north avenue about two feet where it crosses the brook, excavating some in the north field, and building a small sluice for overflow, a small skating pond can be made which, during the winter would attract a great many people, who find pleasure in this healthy and invigorating sport.

The groves should be enlarged by clearing out the underbrush and thinning the trees to the westward, and by doing some grading and some underdraining.

Notwithstanding the large crowds that visited the park all through the summer season no disturbance occurred.

### BUTTONWOOD PARK.

This park, though not in its present condition as attractive as could be wished has furnished enjoyment to large numbers of people, especially during the winter when the skating has been good.

But little work has been done on the park during the year. The large deer enclosure 200 by 300 feet was completed and a male deer purchased.

A large number of old apple trees were removed from the orchard. A flag pole was erected near the Court street drive from which the stars and stripes are displayed during the pleasant days.



For the future development of the park, I can only suggest that an effort be made to gradually approach the plan of improvements suggested by Olmsted, Olmsted & Eliot, the landscape architects, of Brookline, Mass.

### MARINE PARK.

The old government wharf at this park has been fitted in first class shape for a boat landing and a good gravel walk has been built the entire length of the wharf.

Arrangements were made for the Nonquitt steamer to touch at this point on her trips to and from Nonquitt, but few people however, availed themselves of this opportunity to visit the park. If arrangements could be made to have the fort thrown open during the afternoon the number of visitors would probably be much greater. For the convenience of pleasure driving, Middle Point road, now known as Brock avenue, was opened onto the reservation, and connected with a new cross-drive connecting East and West French avenues.

The immediate need of this park is something in the way of a resting place for the people going to the park on foot. This could best be obtained by constructing a good sized pavilion between the fort and the extreme end of the point affording a good view of the harbor and bay and passing vessels.

### GROVE PARK.

No work of improvement has been done here ; the space remains open as a play ground and receives no especial attention.

### COMMON.

On this long neglected, but largely used park, a generous appropriation by the City Government, allowed a large amount of work to be done.

The following are some of the items :

6255 feet of concrete walk.

308 feet of gravel walk.

945 feet of cobble gutters.

1784 feet of street curbing.

432 feet of dressed curbing.

6 new catch basins.

Shrubs and plants to the number of 1800 were also set out. A large amount of grading was required, and the entire area has been seeded with grass.

The work was finished too late in the year to give a correct impression of the full measure of the improvements, but it is believed by next summer the wisdom of this outlay will be fully appreciated.

The old flag pole which has stood for twenty-five years or more, was found to be so decayed that it was replaced by a new one.

The services of a competent gardener will be required to keep the park in proper condition.

### TRIANGLE PARK.

The only work done on this park was the removal of the weeds. I would suggest that this park be curbed, seeded with lawn grass and a few young trees and flowering shrubs set out.

Respectfully submitted,  
C. F. LAWTON,  
Superintendent of Parks.



SECRETARY'S  
SECOND ANNUAL STATEMENT  
OF  
PARK EXPENDITURE.



## Secretary's Report.

---

NEW BEDFORD, January 4, 1896.

*To the Chairman and Members of the Park Commission.*

GENTLEMEN:—I submit herewith the second annual statement of the receipts and expenditures of the department of parks for the year 1895.

In presenting the annual report of this branch of the department, I have reduced the tables which comprised it to as few in number, and as condensed in form as seemed advisable and consistent with their importance in giving all the information relative to the park expenditures.

In addition to showing the cost of maintaining the department for the year, is shown the entire cost of the city's park system.

Respectfully submitted.

WILLIAM S. COOK, Secretary.



## STATEMENT OF PARK EXPENDITURES.

## COMPARATIVE STATEMENT OF EXPENDITURES.

1892.  
1893.  
1894.  
1895.

\$77,936.87  
5,734.79  
24,458.95  
21,321.17

\_\_\_\_\_  
\$129,451.78

## ITEMIZED STATEMENT OF EXPENDITURES.

1892-3-4-5.

Buttonwood Park, \$49,617.29  
Brooklawn Park, 44,521.06  
Common, 15,280.33  
Marine Park, 8,277.25  
City Hall Square, 462.67  
Triangle Park, 118.94  
Grove Park, 8,904.24  
Pine Grove Park, 632.58  
Office and miscellaneous, 1,637.42

\_\_\_\_\_  
\$129,451.78

## FINANCIAL STATEMENT FOR THE YEAR 1895.

Dr.	Cr.
Buttonwood Park,	Transfer from 1894,
Brooklawn Park,	Appropriation, maintenance,
Common,	Appropriation, improvement Com-
Marine Park,	mon,
Triangle Park,	Appropriation,
Grove Park,	Credits,
Incidentals,	
Office expenses,	
Balance carried to unappropriated	
funds,	
147.80	147.11
<u>\$21,468.97</u>	<u>\$21,468.97</u>

## MAINTENANCE OF BUTTOWOOD PARK.

Blacksmithing,	\$23.63	Credits,	\$24.25
Teaming,	34.83	Net expenditure,	3,126.16
Animals and maintenance,	386.29		
Police,	453.00		
Tools and supplies,	468.30		
Repairs to tools,	1.00		
Labor filling and grading,	543.20		
Keeper,	728.00		
Plans,	500.00		
Miscellaneous,	12.16		
	<hr/>		<hr/>
	\$3,150.41		\$3,150.41

## MAINTENANCE OF BROOKLAWN PARK.

Blacksmithing,	\$4.21	Credits,	\$114.11
Teaming,	294.99	Net expenditure,	4,207.89
Animals and maintenance,	242.31		
Police,	54.80		
Tools and supplies,	296.83		
Repairing tools,	15.17		
Labor filling and grading,	1,874.54		
Keepers,	1,272.30		
Land purchased,	266.70		
Miscellaneous,	.15		
	<hr/>		<hr/>
	\$4,322.00		\$4,322.00

## MAINTENANCE OF THE COMMON.

Filling and grading,	\$2,672.23	
Catch basins,	9.75	
Surface drain,	100.15	
Gutters,	204.88	
Miscellaneous work,	82.33	
Tree trimming and seeding,	138.82	
Concrete walks,	4,234.91	
Curbing,	566.70	
Plants and planting,	500.00	
Tools and supplies,	2,174.77	
Blacksmithing,	32.85	
Teaming,	201.78	
Police,	34.40	
Advertising,	2.21	
Keeper,	546.00	
Miscellaneous,	68.33	
	<hr/>	
	\$11,570.11	\$11,570.11

\$8.75  
11,561.36

Credits,  
Net expenditure,

## MAINTENANCE OF MARINE PARK.

Labor filling and grading road,	\$1,448.79	
Blacksmithing,	7.62	
Teaming,	31.14	
Tools and supplies,	60.95	
	<hr/>	
	\$1,548.50	\$1,548.50

\$1,548.50

Net expenditure,

## MAINTENANCE OF OFFICE.

Salaries,	\$637.37	Net expenditure,	\$717.25
Printing, binding and stationery,	37.10		
Plates for reports, telegrams, etc.,	42.78		
	<hr/>		<hr/>
	\$717.25		\$717.25

## MAINTENANCE OF TRIANGLE PARK.

Labor filling and grading,	\$1.34	Net expenditure,	\$1.34
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## MAINTENANCE OF GROVE PARK.

Repairing settees,	\$ .56	Net expenditure,	\$ .56
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## INCIDENTAL EXPENDITURES.

Pictures for reports,	\$11.00	Net expenditure,	\$11.00
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TO WHOM AND FOR WHAT MONEY WAS PAID  
DURING 1895.

Feb. 11.	C. H. Brownell & Sons, supplies for animals,	\$43.70
	Denison Bros. Co., coal,	22.00
	Perkins & Chase, felt,	4.50
	Highways and streets, screening, etc. and labor,	95.92
	“ “ “ blacksmithing,	10.80
	E. & K. C. Terry, lumber,	114.57
	George E. Hatch, stove and fixtures,	19.35
	DeWolf & Vincent, lanterns and pump top,	5.65
	Wood, Brightman & Co., pump top, etc.,	2.40
	Highways and streets, stock,	9.02
	Eli W. Reed, building wall,	234.00
	N. B. Gas & Edison Light Co., light,	12.00
	Robert W. Taber, 1 quire ledger paper,	.30
	W. S. Cook, paid for copying report,	1.50
	Evening Journal Co., 300 letter heads,	3.00
	F. S. Brightman, ledger, index, cover,	13.75
	Highways and streets, repairing seats,	.56
March 11.	C. H. Brownell & Sons, supplies for animals,	24.12
	DeWolf & Vincent, $\frac{1}{2}$ doz. lanterns,	2.38
	George Greene, cabbage and turnips,	9.14
	Highways and streets, blacksmithing,	6.90
	“ “ snow and ice,	155.61
	Perry P. Jenney & Son, repairs to ice plane,	2.60
	Joseph P. Kennedy, 1 cask,	6.33
	F. L. Sowle & Co., supplies,	4.65
	E. C. Taber, supplies for animals,	21.71
	N. B. Gas & Edison Light Co., lights,	8.80
	Southern Massachusetts Telephone Co.,	.25
April 11.	J. E. Herman, land,	266.70
	E. & K. C. Terry, lumber,	18.31
	E. C. Taber, supplies for animals,	33.12
	Highways and streets, dirt and stone, cages,	259.00
	“ “ 8 picks sharpened,	1.00
	General sewers, dynamite and exploders,	3.90
	N. P. Hayes, supplies,	.56
	Albert W. Holmes, coal,	11.00
	DeWolf & Vincent, copper wire,	1.05
	Highways and streets, stock,	5.66
	J. F. Chipman, supplies for animals,	3.20
	C. H. Brownell & Sons, supplies for animals,	21.10
	A. B. Drake, expenses,	5.38
	E. H. Forbes, cage,	10.00

April 11.	C. S. & B. Cummings, broom,	\$ .70
	N. B. Gas & Edison Light Co., lights,	11.40
	E. Anthony & Sons, schedule bills,	1.65
May 11.	C. H. Brownell & Sons, supplies for animals,	27.82
	Highways and streets, screenings, carting,	16.99
	Denison Bros. Co., coal,	11.00
	F. L. Sowle & Co., supplies,	2.99
	N. Y., N. H., & H. R. R. Co., freight,	.30
	Highways and streets, moving stone,	28.93
	“ “ blacksmithing,	.76
	Brightman Bros., Indian red,	6.60
	F. L. Sowle & Co., supplies,	12.24
	A. W. Allen, carting, posts,	18.45
	Highways and streets, screenings and crusher stone,	33.69
	N. B. Gas & Edison Light Co., lights,	11.00
June 11.	C. H. Brownell & Sons, food for animals,	23.82
	Highways and streets, repairs, stone, carting, etc.,	5.42
	Wood, Brightman & Co., supplies,	3.90
	DeWolf & Vincent, copper wire,	1.31
	Highways and streets, carting, moving, fitting, scraping,	169.36
	William Lowe, moving rhododendron,	3.00
	E. C. Taber, food for animals,	22.37
	E. & K. C. Terry, lumber,	5.33
	Highways and streets, stone, bank-wall,	5.00
	E. Anthony & Sons, 300 letter heads,	2.50
	N. B. Gas & Edison Light Co., light,	10.20
	S. C. Lowe, lawn mower,	5.25
	W. R. West, machine oil,	2.00
	George H. Nye, pictures for park report,	11.00
July 11.	Wilson & Wordell, deer paddock,	40.63
	Greene & Wood, lumber (deer paddock,)	74.06
	C. H. Brownell & Sons, supplies for animals,	25.26
	Olmsted, Olmsted & Eliot, plan of Buttonwood,	500.00
	Highways and streets, blacksmithing,	2.10
	“ “ labor on deer yard,	40.40
	“ “ labor, etc. for Brooklawn,	73.66
	“ “ blacksmithing,	3.38
	DeWolf & Vincent, supplies,	1.00
	Hillman Washburn & Co., supplies,	3.90
	E. & K. C. Terry, lumber & carting,	5.33
	W. R. West, signs and lettering,	3.00
	S. C. Lowe, supplies,	1.15
	S. S. Paine, & Bro., curbing,	217.58
	Evening Journal Co., advertising,	.73
	Mercury Publishing Co., advertising,	.75



July 11.	E. Anthony & Sons, advertising,	\$ .73
	T. S. Corson, carting,	3.00
	T. M. Hart, repairing flag,	2.25
	Berlin Mills Co., kyanized lumber,	47.58
	N. B. Gas & Edison light Co., lights,	11.00
	N. Y., N. H. & H. R. R. Co., freight,	18.50
	“ “ “ “ “ storage,	5.00
	H. S. Hutchinson & Co., mounting plan,	.75
Aug. 11.	Richard E. Nofftz, re-potting plant,	2.50
	F. L. Sowle & Co., paint and lead,	2.50
	C. H. Brownell & Sons, supplies for animals,	25.42
	Wilson & Wordell, wire and staple,	28.42
	R. Beetle, 1 flag pole,	37.50
	P. Black, block, putting up pole,	25.75
	Highways and streets, carting, painting, etc.,	97.41
	Maine Central R. R. Co., express (2 deer)	1.36
	E. C. Taber, supplies for animals,	26.18
	Southern Mass. Telephone Co., tel. to Acushnet,	.15
	C. O. Brightman, stock and labor (fence,)	105.91
	Eli W. Reed, mowing,	10.00
	Henry Bartlett, goose,	2.00
	P. Black, setting flag staff,	25.00
	R. Beetle, 1 flag pole,	37.50
	Highways and Streets, carting, grading, etc.,	24.79
	Jenney & Buffington, stock and labor on monument,	28.88
	Charles A. Gray, teaming,	18.25
	N. B. Gas & Edison Light Co., lights,	11.40
	F. L. Sowle & Co., screw driver,	.35
	Suffolk Engraving Co., cuts and inserts for reports,	29.06
	Hatch & Co., express,	.25
	Highways and streets, carting, drilling and repairing,	192.49
Sept. 11.	W. A. Conklin, 1 male Virginia deer,	25.00
	C. H. Brownell & Sons, animal supplies,	25.40
	General sewers, 1 piece 12 inch pipe,	.56
	Thomas M. Hart & Co., rope wire, single block, etc.	13.74
	Olmsted, Olmsted & Eliot, expenses on plan.	5.12
	Highways and streets, carting,	6.56
	“ “ “ blacksmithing,	3.45
	“ “ “ building road and wall, }	451.45
	“ “ “ blasting ledge, supplies, }	
	W. R. West, 4 signs,	4.00
	Eli Reed, covering stones,	6.00
	C. G. & G. A. Randall, lumber and carting,	31.47
	General sewers, dynamite and 1 coil fuse,	2.23
	Thomas M. Hart, wire rope,	2.32

Sept. 11.	Highways and streets, labor,	\$1.34
	E. Anthony & Sons, cards, reports, etc.	19.12
	Highways and streets, blacksmithing,	5.88
	“ “ “ carting, grading, supplies,	698.57
	N. P. Hayes, 4 barrows, cartage,	12.75
	C. G. & G. A. Randall, spruce lumber,	15.83
	Southern Mass. Telephone Co., message Berlin Mills Co.,	.51
	Wood Brightman & Co., pipe, labor, and carting, etc.,	19.45
	“ “ “ 2 dippers,	.40
	City of New Bedford Water Dept., pipe and labor,	20.59
	Thomas G. Peed, watching on Common,	1.00
	N. Y., N. H., & H. R. R. Co., freight, etc., on lumber,	39.00
	J. L. Mott Iron Works, urinal,	160.00
	Peter Henderson,	45.00
	Berlin Mills Co., kyanized spruce,	95.76
	Greene & Wood, lumber and carting,	5.44
	Perkins & Chase, asphalt,	7.20
	General sewers, pipe, concrete, etc.,	216.69
	Highways and streets, blacksmithing,	20.50
	“ “ “ filling, grading, concrete, and curbing,	3442.84
Oct. 11.	“ “ “ building road,	80.74
	Perry P. Jenney & Son, cups, screws,	2.37
	Nye and Hadley, wire rope,	4.72
	Z. Peterson, gravel,	43.30
	C. G. & G. A. Randall, cedar posts,	3.00
	E. C. Taber, supplies for animals,	21.73
	C. H. Brownell & Sons, supplies for animals,	27.97
	Old Colony Steamboat Co., freight on deer,	1.00
	Perry P. Jenney & Son, filing and setting saws,	.75
	C. G. & G. A. Randall, cedar posts,	3.00
	Wood, Brightman & Co., fitting pump box,	.25
	Abram Chace & Co., stock and labor,	506.08
	Highways and streets, screenings and grading road,	112.69
	“ “ “ curbing, concrete, grading, etc.,	2659.12
	Bowker & Tripp, work on urinal,	2.38
	Cemetery department, bound stones,	9.00
	Wood, Brightman & Co., labor,	39.80
	Greene & Wood, lumber and carting,	2.28
	N. P. Hayes, two barrows,	6.00
	John Hernon, police duty,	1.60
	George Nelson, labor, mason,	136.38
	N. B. Gas & Edison Light Co., labor and lights,	17.55
	S. S. Paine & Bro., curbing and cement,	452.18
	Old Colony Steamboat Co., freight on seed,	.32

Oct. 11.	C. G. & G. A. Randall, lumber and carting,	\$65.89
	George D. Richards, broom,	.60
Nov. 11.	F. T. Akin & Co., supplies,	18.46
	P. Black, setting flagstaff,	70.42
	C. O. Brightman, lumber, etc.,	23.55
	City of New Bedford Water Department, labor connect- ing water,	161.09
	W. & B. Douglass, street washers,	30.00
	Gardner & Southwick, hydrant caps,	1.12
	General sewers, cement, etc.,	30.93
	Greene & Wood, lumber and carting,	6.85
	Highways and streets, blacksmithing,	12.35
	M. A. Hickey, labor on urinal,	52.92
	J. Frank Kirk, seed,	7.25
	John J. Meaney, labor on urinal,	37.30
	John McLeod, labor, stone work,	16.19
	N. Y., N. H. & H. R. R. Co., freight on hydrants,	.25
	N. B. Cordage Co., manilla,	1.44
	N. B. Boiler & Machine Co., labor and steel,	11.10
	N. B. Gas & Edison Light Co., lights,	20.60
	S. S. Paine & Bro., curbing, etc.,	511.90
	Wilson & Wordell, lawn seed, etc.,	12.90
	C. H. Brownell & Sons, animal supplies,	30.80
	Denison Bros. Co., coal,	10.50
	George D. Green, cabbage,	3.76
	Highways and streets, blacksmithing,	3.83
	“ “ “ labor and carting,	18.65
	C. G. & G. A. Randall, lumber,	3.85
	F. L. Sowle & Co., supplies,	1.05
	Highways and streets, carting,	55.83
	Charles E. Howland, on account of contract for walk,	250.00
	H. B. Remington, teaming and flowers.	7.89
	Highways and streets, blacksmithing,	1.74
	E. Anthony & Sons, ordinances,	3.00
	Kirby & Hicks, team,	3.00
	Newport Nursery Co., contract on account,	300.00
Dec. 11.	C. H. Brownell & Sons, supplies for animals,	29.85
	David Duff & Son, coal,	12.94
	Highways and streets, carting and supplies,	1.53
	F. L. Sowle & Co., padlock,	1.25
	Perry P. Jenney & Son, repairing tools,	15.17
	Highways and streets, repairing bridge and driveway,	11.21
	Z. W. Peterson, gravel,	19.50
	E. C. Taber, supplies for animals,	25.78
	H. V. Sowle, flowers,	14.50

Dec. 11.	N. B. Gas & Edison Light Co., lights,	\$10.20
	S. S. Paine & Bro., curbing,	32.50
	Acushnet Iron Co., castings,	5.49
	Balance due C. E. Howland building walk,	212.00
		<hr/>
	Total of 52 pay rolls,	\$15,463.59
		5,857.58
		<hr/>
	Total expenditure,	\$21,321.17

IN BOARD OF ALDERMEN,

March 12, 1896.

Received and ordered printed in the City Documents  
and sent down for concurrence.

D. B. LEONARD,

City Clerk.

IN COMMON COUNCIL,

3 mo. 12, 1896.

Concurred.

WM. A. MACKIE,

Clerk.



1896—CITY DOCUMENT No. 15.

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FIRST  
ANNUAL REPORT  
OF THE  
CEMETERY BOARD,  
FOR THE YEAR 1895.

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NEW BEDFORD:  
MERCURY PUBLISHING COMPANY, CITY PRINTERS.  
1896.



IN BOARD OF ALDERMEN,

February 13, 1896.

Received and ordered printed in the City Documents  
and sent down for concurrence.

WILLIAM S. COOK,

Asst. City Clerk.

IN COMMON COUNCIL,

2 mo. 13, 1896.

Concurred.

WM. A. MACKIE,

Clerk.

# REPORT.

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CITY OF NEW BEDFORD,

CEMETERY BOARD,

New Bedford, Mass., Jan. 1, 1896.

*To the City Council of the City of New Bedford:*

GENTLEMEN:—We have the honor to submit for your consideration the first annual report of the Cemetery Board, covering the period from its organization April 1895, to January 1896.

The Board organized with William Sanders, Chairman, and Charles H. Vinal, Secretary, and employed the services of Pardon A. Macomber as Clerk.

In accordance with the ordinance which requires the Board to nominate a Superintendent of Cemeteries, the name of Charles F. Cornell was presented to the City Council and by it confirmed.

At the beginning of the fiscal year, the cemeteries were under the management of Superintendent E. S. Haskell, until the organization of the Board, from which time this report is compiled.

## RECEIPTS AND EXPENDITURES.

From April 18, 1895, to Jan. 6, 1896.

## CR.

April 18, 1895.	Balance appropriation,	\$7,000.67
	Appropriation, Special, (purchase of Morgan property adjacent to Rural cemetery),	3,175.00
	Appropriation Special,	3,000.00
	Receipts, labor on lots,	4,265.56
		<hr/>
		\$17,441.23

## DR.

Expenditures, (general),	\$14,012.29
Purchase of Morgan property,	3,175.00
Balance to new account, Jan. 6, 1896,	253.94
	<hr/>
	\$17,441.23

## RECEIPTS AND EXPENDITURES SALES OF LOTS.

## CR.

April 18, 1895.	By balance,	\$239.52
	Receipts to Jan. 6, 1896,	4,593.00
		<hr/>
		\$4,832.52
Expenditures, (Improvement and Embellishment),		\$4,621.45
Balance to new account Jan. 6, 1896,		211.07
		<hr/>
		\$4,832.52

The system adopted by the Board and the effort it has made to improve and embellish the cemeteries can only be appreciated by occasional visits to them by the public. Many hardy flowering shrubs, together with a varied selection of shade trees, purchased by the Board, have under the direction of the superintendent, been planted in the cemeteries, which will in a few years relieve the bald and cheerless appearance now so prominent in the new parts of the Oak Grove and Rural cemeteries. The fences and buildings have been repaired and painted, 213 feet of drain has been laid in the Rural cemetery and many unsightly hedges and wooden fences surrounding certain lots have been removed, thus adding to the cleanly condition

of the grounds. The face wall in the Oak Grove cemetery has been completed by an additional construction of 350 feet, 2,450 feet of new avenues have been constructed in the several cemeteries giving access to the new sections which have been laid out during the year, 265 new lots have been prepared and offered for sale, 108 lots have been sold during the year and 523 interments have been made.

The number of lots now in perpetual care is 348, for the care of which the Board has expended the sum of \$1,316.51.

All the land in the Oak Grove cemetery has been prepared for lots and it will be but a short time before this cemetery will need to have new extension or it will become a closed ground. The only extension at present available is the Caswell farm at the north, which will give about six acres of suitable land for burial purposes, and the Board recommend that an appropriation be made to secure this property and that it be added to the cemetery.

A massive stone structure with wrought iron gates is nearly completed at the Robeson street entrance to the Oak Grove cemetery, which when finished will present a complete and desirable effect at this approach to the grounds. The large increase in additional new sections in the cemeteries, and the present limited supply of water, creates an imperative demand for an extension of the same, and the Board recommend that special appropriations be made each year for the general distribution of the water-service in the cemeteries.

In the Rural Cemetery there remains about 50 acres of unimproved land; this has been surveyed in view of contemplated layout, in order to present uniformity in future improvements. The accommodations in the receiving tomb are entirely inadequate for the present requirements at this cemetery, and parties have at different periods

been required to deposit remains in the Oak Grove receiving tomb, which were intended for future interment in the Rural.

The Board recommend that immediate action be taken in regard to the construction of a new receiving tomb similar to the one recently erected in the Oak Grove cemetery, with the addition of a chapel in connection with the same, for the accommodation of the public when it is desired to hold services at the cemetery. An appropriation would be required for this purpose.

The grounds of the Pine Grove cemetery have been much improved, and the work received expressions of appreciation from lot owners and other visitors. A new tool house has been built and a pavilion erected for the shelter of visitors from the weather. Settees have been placed in and about the cemetery, and flower beds have for the first time embellished the grounds. 350 feet of new avenues have been completed, and 20 new lots prepared and offered for sale; the underbrush has been removed from the grove. Andrew J. Skiff has been constantly employed in this cemetery, having been appointed sexton by the Board. The approach to the cemetery has been straightened, widened to 50 feet, graded, and a raised sidewalk laid from the road to the entrance.

During the year the Griffin Street cemetery has received the attention of the Board. The fences have been newly painted, the grass regularly cut and general care given to the same, due caution has been taken against trespass, it being a closed cemetery, and the grounds present a neat and comely appearance. This cemetery is an annual expense to the city and a source of no income.

A system of plotting has been followed in the cemeteries, the object of which is to locate every lot and grave with the name of the proprietor and of the person interred and plans to be made of the same to be used in connec-

tion with the records in the office of the Board, thereby to meet the requirements specified in section six of the cemetery ordinance, the expense of which is provided for by special appropriation made by the City Council and is under the direction of the City Engineer.

The Board would hereby suggest that more activity be manifested on the part of those having this important matter in charge and more frequent and satisfactory results be returned to them as they have realized but little information during the year from this source.

We particularly invite the attention of the public to the present location of the office of the Board in the Merchants' Bank building, room 304, which is in charge of Pardon A. Macomber, Clerk of the Board. These rooms are centrally located, easy of access by elevator, the Board is supplied with vault privileges which enable all the records, plans, etc., to be kept absolutely safe from damage by fire or water. This office is constantly open from 9 A. M. until 5 P. M., the Superintendent, Charles F. Cornell, has regular office hours, and the sextons of the several cemeteries report to him in person daily; any information relative to the cemeteries will be cheerfully and courteously rendered to the public on the part of the Clerk and Superintendent, and careful attention given to such directions as may be offered the sextons at the grounds.

Regular meetings are held on Wednesday evenings of each week by the Board, and careful consideration given to all requests.

A special appropriation was made by the City Council, June 14, 1895, of \$3,175 for the purchase of the Jenks and Morgan property adjacent to and projecting into Rural cemetery; this addition not only gave the Board access to about two acres of cleared land for immediate use, but also provides for a uniform line from the Grape street entrance to the extreme west line of the cemetery.



The Board has adopted appropriate forms of assignment of lots to the city in trust, the purpose of which enables the proprietor of a lot, after his decease, to forever close the same for burial of any persons, except those mentioned in the agreement; these forms were legally constructed by the City Solicitor and full instructions relative to their use can be obtained of the Clerk at the office of the Board.

In presenting the above extended report the Board has endeavored to show that through its efforts a large amount of work has been accomplished in the several cemeteries, and they have been gratified by the many expressions of appreciation, and a disposition of the public in general to assist them by their personal attention and suggestions relative to their lots.

We believe by general improvement and embellishment from year to year, the cemeteries will soon become attractive and pleasant places to visit and a source of pride to the City of New Bedford.

We sincerely trust that due consideration will be given by the Committee on Burial Grounds to the recommendations suggested in this report.

Respectfully submitted :

WILLIAM SANDERS, Chairman.

CHARLES H. VINAL, Secretary.

JAMES DELANO.



1893.—CITY DOCUMENT No. 16.

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ANNUAL REPORT

OF THE

INSPECTOR

OF

MILK, PROVISIONS AND CATTLE

FOR THE

YEAR ENDING DEC. 31, 1895.

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NEW BEDFORD:  
MERCURY PUBLISHING COMPANY, CITY PRINTERS.  
1896.



# REPORT.

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NEW BEDFORD, Mass., December 31, 1895.

*To His Honor the Mayor and the City Council of the  
City of New Bedford.*

GENTLEMEN:—The Report of this office is herewith respectfully submitted.

The main question occupying the attention of this office is the procuring for the citizens of New Bedford pure, wholesome milk and provisions.

There is no person who realizes the value and great importance of pure milk, both as regards its food value, and as a protection against disease than the Inspector. I have made it a duty to procure this end by whatever methods, provided they be honest and legitimate, that in my own experience and that of others who know the value of what they suggest, seem under the circumstances the most promising.

The office on the southeast corner of Elm street and Acushnet avenue is opened during business hours every day, and is visited by the public in all matters relating to the question of milk, provisions and cattle, such as bringing samples of milk and provisions for investigation and making complaints on various matters.

As I never visit dwellings, the only information I have of the character of the family supply is from this source and investigation.

No person need be in doubt about the purity of his milk, when a visit to the office provided by law for the use of the public will give all needed information and assistance.

The duties of the office, besides the inspection of milk, provisions and living animals, includes the inspection of the slaughter of cattle, attending to the appraisal, killing, post mortems and burying of diseased cattle, disinfecting and fumigating the premises, etc., etc.

### OPERATIONS OF THE YEAR 1895.

Milk licenses granted, 280, at 50 cents each, \$140.

Inspected over 600 samples of milk, and have found none adulterated, and no city can boast of a purer milk supply.

The complaints in regard to provisions being unfit for food in the past year have been less than any previous year. I have investigated all such complaints made to the perfect satisfaction of the parties making them, by getting them their money back or a wholesome article in exchange; and have also given wholesome advice to the sellers, which has seemed to produce the desired effect.

I have made thorough inspection of all cattle owned within the city limits, and killed and buried three diseased cows whose milk had been consumed in this city. I also performed careful post mortem examinations upon the above cattle and confirmed my diagnosis in every case.

Aside from the above I have found very little to complain of and much to commend in regard to the care and surroundings of the dairy cattle of our city.

There are two licensed slaughtering establishments within the city limits which are permitted to slaughter five afternoons in each week. I have attended every slaughter and carefully inspected every animal killed. My duty, as

I said before, is to condemn and bury all diseased animals thus found, and I shall strictly enforce this, and also as regards tuberculous dairy cows, to the full extent of my authority, thus giving to the inhabitants of our city as little danger as possible of contracting (from either meat or milk) this dreaded and fatal disease. Tuberculosis in its first stages many times is impossible to diagnose to a certainty in cattle without the aid of the tuberculin test, which is absolutely harmless under all circumstances and should be used upon every bovine in the land, but as the law now stands in Massachusetts it is impossible to use it without the written consent of the owner, which for some unknown reason is very hard to obtain. If our legislators will amend the law and allow the test to be used upon all cattle, I will guarantee the speedy extermination of every diseased animal within the limits of the city of New Bedford.

Respectfully submitted,

DR. D. C. ASHLEY,

Inspector of Milk, Provisions and Animals.

IN BOARD OF ALDERMEN,

January 23, 1896.

Received, ordered printed in the City Documents, and  
sent down for concurrence.

D. B. LEONARD, City Clerk.

IN COMMON COUNCIL,

1 mo., 23, 1896.

Concurred.

WILLIAM A. MACKIE, Clerk.







# LIST OF JURORS.

CITY OF NEW BEDFORD.

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CITY CLERK'S OFFICE,

December 30, 1895.

This certifies the following to be a correct list of persons prepared as provided by law to serve as Jurors for the year 1896.

Attest :

DANIEL B. LEONARD,

City Clerk.



## LIST OF JURORS.

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### A

Adams, Charles H. 597 County, no occupation  
Adams Stephen F. 118 Mill, dry goods  
Ainsworth Joshua, 179 Austin, laborer  
Allen Abraham A. 2d, 233 Shawmut av, farmer  
Allen Charles, 21 Bonney, stone cutter  
Allen Charles N. 81 School, sparmaker  
Allen Daniel E. 76 Shawmut av, butcher  
Allen George H. H. 34 So. Sixth, clerk  
Allen Henry C. Hathaway road, farmer  
Allen James H. 38 Durfee, wheelwright  
Allen Peleg H. S. W. 33 Madison, machinist  
Allen Thomas F. 187 Pleasant, druggist  
Almy Edgar M. 211 Acushnet av, clerk  
Almy Henry B. 96 Willis, upholsterer  
Andress Benjamin A. 408 Kempton, clerk  
Anthony Benjamin, 98 Madison, publisher Standard  
Anthony Benjamin H. Ash, s. of Hawthorn, clerk  
Arey Allen C. 159 Washington, gas fitter  
Arnett Thomas, 5 Willis, teamster  
Arnott George, 12 Margin, spinner  
Ashley A. Davis, 947 Acushnet av, pat. med. dealer  
Ashley Joshua B. Jr. 33 North, marketman  
Ashley Roland R. 109 Cove, real estate dealer  
Ashley Simeon P. n. s. Mill, e. of Hunter, carpenter  
Atwood William W. 244 Pleasant, shoemaker

### B

Bailey George P. 364 Kempton, druggist  
Baker Ansel G. 177 Fourth, machinist  
Baker Benjamin, 111 Summer, bookkeeper

Baker Michael A. 82 Chestnut, master mariner  
Baker William A. 159 Hillman, janitor  
Bamford James H. 90 Merrimac, shoemaker  
Bamford William, 90 Merrimac, shoemaker  
Bancroft Julius V. 194 Pleasant, street sprinkler  
Bannister John W. 194 Pleasant, clerk  
Bannon John H. 1 Hyacinth, plumber  
Barrows Eugene M. 662 County, paint manufacturer  
Bartlett Bourne S. 22 So. Sixth, merchant  
Bartlett Clarence H. 450 County, clerk  
Bassett Ellery R. 166 Mill, electrician  
Bassett William A. 15 Chestnut, fish dealer  
Batchelder Ward C. 31 Dartmouth, machinist  
Bates James W. 281 Cottage, grocer  
Bates Lot B. 425 Acushnet av, grocer  
Baylies Charles S. 122 Bedford, clerk  
Bearse Clarence A. 7 Franklin, carpenter  
Beetle John H. East French av, lumber surveyor  
Bennett George W. n. side Howard av, blacksmith  
Bennett Samuel R. 79 Chestnut, merchant  
Bennett William H. 2 Richmond, grocer  
Bentley George B. 24 Mosher, top roll coverer  
Bentley Loren T. 40 Bowditch, second hand  
Bisbee George H. 120 Fourth, music teacher  
Blake George A. 183 Kempton, clerk  
Bliss Frank C. 196 Grinnell, grocer  
Bly Ezra K. Manhattan House, clerk  
Bly William L. 304 County, clothing  
Boomer Edwin A. 63 Hillman, millinery  
Booth Edward H. 35 Durfee, car inspector  
Booth Francis A. 35 Fifth, accountant  
Booth Zachariah E. 57 Cottage, bookkeeper  
Borden Charles F. 112 Fifth, supt. Mt. Wash. glass wks  
Borden George B. Rockdale av, farmer  
Borden Gilbert B. e. s. Acushnet av, master mariner  
Borden Prince S. 220 Kempton, master mariner  
Borden Thomas J. 17 Grape, machinist  
Bosworth Peleg, 195 Shawmut av, farmer  
Bouchard John, 121 Locust, barber  
Bourne Henry D. 49 Sycamore, carpenter  
Bowen George S. 82 School, painter

# LIST OF JURORS.

5

Bowman George L. 19 Shawmut av, nurse  
 Bowman Henry T. 632 Purchase, carpenter  
 Bradford Edgar V. 286 Park, overseer Cordage works  
 Bradley William E. 109 Grinnell, foreman livery stable  
 Brayton George H. 59 Allen, grain dealer  
 Briggs Allen G. w. s. Tobey road, clerk  
 Briggs Charles F. 172 Fourth, teamster  
 Brightman Edward T. 68 Foster, butcher  
 Brightman Frederick R. 65 So. Sixth, clothier  
 Brightman George F. Acushnet av, master mariner  
 Brightman Harry S. 101 Allen, polisher  
 Brightman Leander, 29 Madison, merchant  
 Broadmeadow George, 101 Durfee, machinist  
 Brock George P. 50 Russell, frame maker  
 Bromley David, 945 So. Water, grocer  
 Brooks John B. 187 North, engineer  
 Brown Charles H. 25 Willow, clerk  
 Brown Herbert A. 99 Willis, carpenter  
 Brown James, 197 Coffin av, farmer  
 Brown James H. 212 North, machinist  
 Brown William L. G. 114 Sycamore, florist  
 Brownell Charles H. Kempton and Florence, marketman  
 Brownell Charles T. 153 Mt. Pleasant, farmer  
 Brownell Elnathan C. 354 County, marketman  
 Brownell Gilbert K. 70 North, shoe dealer  
 Brownell George A. 103 No. Ash, carpenter  
 Brownell Myron W. 73 State, paint manufacturer  
 Buchell Charles N. 236 Maxfield, shoe dealer  
 Bunker Elihu, 401 Purchase, druggist  
 Burbank John T. 68 Parker, bookkeeper  
 Burgess Charles T. 74 Willis, shoe cutter  
 Burgess George W. 18 Bedford, machinist  
 Burgess Thomas, 827 County, grocer  
 Bush, Andrew M. 383 Purchase, tailor  
 Butler Harry W. 51 Locust, reporter  
 Butler William F. 613 County, boat builder

## C

Caldwell Albert F. 101 No. Ash, carpenter  
 Cannon Albert, 34 Willis, clerk  
 Card Herbert E. Cove road, overseer

Carpenter Albert H. W. 373 Cottage, insurance agent  
Carroll William E. 580 Kempton, carriage maker  
Carter Robert H. 722 Kempton, druggist  
Case Isaac R. 625 County, clerk  
Cavanaugh Jeremiah L. 72 So. Second, blacksmith  
Chadwick Edward E. 140 Summer, meat and provisions  
Chadwick Joseph W. Oak, foreman Twist Drill  
Champion John T. 499 Purchase, tailor  
Channing William R. 53 Fifth, dentist  
Chase Charles F. Howard av, carpenter  
Chase Edward B. 7 Florence, picture dealer  
Chase Ira M. 37 Fifth, bookkeeper  
Chase Joseph H. 319 Park, ship carpenter  
Chase Walter F. 17 Fifth, ship carpenter  
Chase Warren E. 90 Bedford, editor  
Chase William F. 318 Mt. Pleasant, farmer  
Chausse Joseph, 126 Mt. Pleasant, grocer  
Clark Joseph P. H. cont. No. Chancery, wood carver  
Cleveland George H. V. D. 69 Forest, baker  
Clifton Jireh W. 342 Purchase, plumber  
Clynes Thomas J. 634 Acushnet av, clerk  
Cobb George A. Acushnet av, tinman  
Coddington Seth E. 8 Spruce, bottler  
Coe Isaac H. Jr. 124 Washington, carpenter  
Colby Philip E. 37 Hill, clerk  
Cole George F. 112 Fourth, carriage dealer  
Cole Theodore W. 74 Hillman, marble worker  
Cole William Jr. 76 So. Sixth, treas. Co-op. Ass'n  
Collins George A. 178 Fourth, overseer  
Cook Charles E. 1042 Acushnet av, real estate agent  
Cook Samuel H. 97 Madison, insurance agent  
Cook Thomas W. 396 Union, cotton broker  
Cooke Robert, 266 Fourth, baker  
Corey David A. 207 Kempton, machinist  
Cornell Charles C. e. side Jenny Lind, marketman  
Cornell John W. 151 Middle, broker  
Corson Henry T. 43 Fifth, clerk  
Cory Andrew T. Rockdale av, farmer  
Cory George A. 138 State, carpenter  
Cory Isaac C. Rockdale av, carriage maker  
Coxen Charles H. 109 Durfee, grocer



## LIST OF JURORS.

7

Cranston Orville W. 51 So. Emerson, upholsterer  
 Croacher Thomas W. 121 Fifth, sash and blind maker  
 Cummings Benjamin, 99 School, grocer  
 Cummings Benjamin T. 271 County, clerk  
 Cunningham Patrick, 131 So. Second, machinist  
 Curtis Leonard O. 5 Newton, music teacher  
 Cushing Charles F. 197 Middle, merchant

### D

Dagasse Anatole, 66 Robeson, druggist  
 Dahill Edward F. 90 Merrimac, shoe dealer  
 Dammon Silas D. 137 Smith, ship carpenter  
 Damon Louzon A. 126 Fourth  
 Dantsizen Frank M. 223 Acushnet av, cabinet maker  
 Darling Frank M. 490 Acushnet av, clerk  
 Darling William, e. s. Tobey road, farmer  
 Davenport Dudley, 254 Arnold, grocer  
 Davis Charles E. 17 Chestnut, machinist  
 Davis Edward G. 195 Shawmut av, florist  
 Davis Henry V. Jr. 262 Arnold, foreman  
 Davis Herbert E. 135 Locust, motorneer  
 Davis John E. w. s. Rockdale av, florist  
 Dawe Fred C. 159 Durfee, machinist  
 Dean A. Herbert, 217 Middle, clerk  
 Dean Charles F. 59 Elm, painter  
 Dehn George R. 5 Linden, baker  
 Delano Harrison, 51 Hill, oil gauger  
 Denham James R. 2d, 242 Acushnet av, clerk  
 Dennis Ephraim K. 193 Middle, contractor  
 Devlin, John, Acorn, s. of Durfee, spinner  
 DeWolf Alfred W. 56 Hill, hardware dealer  
 Dexter Howard N. 56 Campbell, shoemaker  
 Dias Charles H. 321 Union, clerk  
 Diman Henry B. 123 Rockland, merchant  
 Doane Joshua G. 487 Acushnet av, foreman  
 Donaghy Thomas Jr. 103 Acushnet av, clerk  
 Douglass Frank M. 18 Cedar, druggist  
 Drake Albert B. 91 School, civil engineer  
 Driscoll Daniel F. 11 Linden, grocer  
 Driscoll Patrick, 212 Middle, salesman

Dunbar William A. 41 Campbell, shoemaker  
Dugan Edward P. 130 So. Second, grocer  
Dwight James E. 137 Fourth, grocer

**E**

Eaton Josiah Jr. 65 Cottage, music teacher  
Eddy George M. 8 Maple, retired  
Eggers George A. 72 So. Chancery, gunsmith.  
Emery John C. 57 Bedford, Twist Drill  
Ennis Charles T. 114 Fourth, clerk  
Ennis John H. 17 Maitland, painter  
Estes Andrew L. 115 Campbell, carpenter

**F**

Fairchild Thomas H. 173 Fourth, druggist  
Faisneau George E. Jr. 43 Sycamore, dry goods  
Farnum George W. 54 Hillman, boat builder  
Faunce Charles L. 9 Homer, carpenter  
Ferguson James, 49 State, foreman shoe factory  
Foley William F. 147 State, weaver  
Folger Charles E. 61 Hillman, bookkeeper  
Folger Charles F. 61 Hillman, retired  
Folger David B. 44 North, grocer  
Forbes Joseph C. 201 Cedar, shoemaker  
Freeman George H. 23 Seventh, ink manufacturer  
Fury Bartholomew P. 501 Purchase, salesman

**G**

Galligher Neil, 107 So. Sixth, tailor  
Gammons Edgar H. 22 Grand, teamster  
Gardiner Ezekiel C. 14 Crapo, stable keeper  
Gardner Oliver H. 97 Chestnut, carpenter  
Gay Elmer B. 54 Chestnut, foreman  
Gibbs John L. 2d, 72 State, supervisor of buildings  
Gibson Samuel S. w. s. Tobey road, mason  
Gifford C. Henry, 26 Walnut, mason  
Gifford Jireh B. Howard and Belleville avs, farmer  
Gifford Noah, 560 County, retired  
Gifford Richmond A. 101 Cedar, foreman Water Works

## LIST OF JURORS.

9

Gifford, Thomas J. 15 Ashland, plumber  
 Goff Charles H. 11 Emerson, carpenter  
 Gooding Robert A. 177 Cedar, carpenter  
 Greene Matthew L. 191 No. Second, machinist  
 Greene Nathaniel H. 204 County, foreman Public Works  
 Grundy James, 230 So. Second, glass maker  
 Gurney William A. w. s. Acushnet av, grain dealer

### H

Hafford Stephen Jr. 73 State, shoe cutter  
 Hammond Edgar B. 66 North, architect  
 Hammond Francis W. 70 North, carpenter  
 Hammond John N. Tobey road, w. side, carpenter  
 Harding James G. 62 State, pump and plumber  
 Harlow Michael F. 430 Pleasant, loomfixer  
 Harrington John C. rear 68 Linden, conductor  
 Harris Charles W. 341 W. Maxfield, conductor St. Ry  
 Harrison Samuel, 83 County, shoe dealer  
 Haskins Elmore P. 95 Chestnut, carpenter  
 Haskins Herbert K. 87 Chestnut, carpenter  
 Hatch George C. 1213 Acushnet av, expressman  
 Hatch Joshua J. 500 Cottage, carpenter  
 Hathaway Andrew B. Hathaway road, florist  
 Hathaway Benjamin F. Jr. 12 Pope, clerk  
 Hathaway Charles R. 18 Campbell, bookkeeper  
 Hathaway James H. Tarkiln Hill road, butcher  
 Hathaway James L. 72 Willis, bookkeeper  
 Hathaway Jethro H. 498 Cottage, carpenter  
 Hathaway Paul S. Hathaway road, farmer  
 Hathaway Savory C. 251 Hawthorn, shoe manufacturer  
 Hathaway William E. 411 Cedar, hay and grain dealer  
 Haven George H. 324 Cottage, confectioner  
 Hayden John D. 181 Smith, farmer  
 Hazzard James B. 59 Hill, painter  
 Healey Peter J. 444 Pleasant, laborer  
 Healey Thomas F. n. s. Belleville road, real estate agent  
 Herlihy Patrick, 928 Acushnet av, stone cutter  
 Hervey E. Williams, 191 Hawthorn, retired.  
 Higham Hiram Jr. 110 Merrimac, overseer  
 Hillman Benjamin, 101 Maxfield, painter

Hillman Frederick G. 1036 Acushnet av, clerk  
Hillman George W. 1036 Acushnet av, mill supplies  
Hindle William, 322 Pleasant, grocer  
Hitch Hardy Jr. 20 Fifth, upholsterer  
Hitch Otis L. 429 Union, upholsterer  
Holcomb Roland, 67 School, grocer  
Holloway Arod B. 83 Locust, mason  
Homer Frederick A. 4 Arch, merchant  
Homer George S. 4 Arch, merchant  
Howe George A. 53 Dartmouth, solderer  
Howland Daniel W. 305 W. Maxfield, tailor  
Howland Ezra, 284 Union, farmer  
Howland George F. 297 County, no occupation  
Howland Henry, 280 Pleasant, stove dealer  
Howland Jonathan Jr. 54 Russell, retired  
Howland Paul Jr. 91 State, engraver  
Howland William D. Middle Point road, mill treas  
Hoxie Frank C. 155 Washington, pattern maker  
Hubbard Herbert F. 236 Pleasant, foreman  
Humphrey Daniel F. Ashland, conductor electric road  
Hunt Samuel C. 147 Maxfield, architect

**J**

Jackson Thomas W. 591 W. Maxfield, barber  
James Clarence H. 21 Arch, accountant  
Jenney Benjamin F. 43 Arch, no occupation  
Jenney Harry C. Smith and Walden, superintendent  
Jenney Henry P. w. side Acushnet av, real estate agent  
Jenney Perry P. 142 Pleasant, machinist  
Jenney William B. 174 Grinnell, mason  
Jennings Frank M. Jennings ct, machinist  
Jennison Charles J. 17 Franklin, pattern maker

**K**

Kane James E. 127 Grinnell, book binder  
Keen Charles F. 301 Cedar, carpenter  
Keen Leonard Jr. 39 Parker, carpenter  
Kelleher Daniel, 56 Parker, bomb lance manufacturer  
Kelley William L. 478 County, jeweler

# LIST OF JURORS.

11

Kent Levi F. 410 Cedar, machinist  
 Kenyon Henry W. 910 Acushnet av, no occupation  
 Kilburn Frank J. 264 County, machinist  
 King Benjamin F. 62 Durfee, conductor electric road  
 King Henry L. 47 Locust, superintendent  
 King Philip R. 95 Willis, carriage maker  
 Kingman Gilbert D. 12 Lincoln, clerk  
 Kirby Charles L. 411 Union, no occupation  
 Kirby Frank R. 62 Hillman, confectioner  
 Kirby George Jr. 672 County, paint manufacturer  
 Kirk John F. 143 State, grain business  
 Knight Charles W. 48 North, printer  
 Knowles Joseph C. 81 Walden, retired  
 Knowles Thomas P. 213 State, plumber

## L

Lagasse Adolphe P. 128 Rivet, undertaker  
 Lamb William G. 406 Union, carpenter  
 Lanagan Daniel P. 12 Walnut, junk dealer  
 Lapham, Joshua G. 183 Pleasant, master mariner  
 Law George P. W. Maxfield, laundryman  
 Lawrence Charles E. 115 Fourth, painter  
 Lawrence Cyrus T. 329 Cedar, retired  
 Lawrence James A. w. side Tobey road, farmer  
 Lawrence James W. 630 County, furniture dealer  
 Leach Harry J. 163 Maxfield, carpenter  
 Leach William H. H. 75 Sycamore, trav. salesman  
 Leary Dennis Jr. 278 Austin, blacksmith  
 Lees Sydney, Blackmer and Second, clerk  
 Lewis Edgar R. 717 County, clerk  
 Lewis Joseph S. Jr. 78 Thomas, machinist  
 Lewis Obed B. 139 Hillman, marketman  
 Lord James, Edwards, oiler  
 Lovell Henry S. 14 Pope, no occupation  
 Lowther George H. 179 Mill, clerk  
 Lucas Everett A. n. s. Hathaway av, carpenter  
 Luce Arthur G. 53 Hillman, manager Mercury Pub. Co.  
 Luce Thomas E. 201 Cedar, grocer  
 Luscomb Simeon P. 184 Summer, cooper  
 Lyons Thomas H. 991 Purchase, driver

**M**

Macomber George P. 774 County, copper works  
Macomber James P. 245 Pleasant, merchant  
Macomber John W. 265 Union, manager Cordage Co.  
Macomber Pardon A. 201 Kempton, agent  
Macomber William B. 74 State, retired  
Macy Arthur W. 161 Grinnell, jeweler  
Macy Frank E. 74 Chancery, no occupation  
Maine Henry M. 36 North, carpet cleaner  
Maker George W. 96 Maxfield, sailmaker  
Manchester Ellery L. 11 Emerson, rigger  
Manseau John D. 30 Durfee, clerk  
Marden George W. 288 Acushnet av, artotype printer  
Mason John L. G. 63 Hillman, mason  
Maxfield Frederick T. 191 Kempton, painter  
McAfee John K. 63 Fifth, fruit dealer  
McAuliffe Dennis J. 276 Coggeshall, janitor  
McCullough John Jr. 55 Maxfield, bookkeeper  
McDonald Hugh J. 195 So. Second, carriagessmith  
McFarlin James, 71 Spruce, jobber  
Meaney Thomas J. 6 W. French av, real estate agent  
Milliken George H. 113 Hillman, dry goods  
Milliken Lewis E. 73 Hillman, grocer  
Mills John M. 65 Foster, marketman  
Mills William J. 831 County, no occupation  
Mitchell Robert, 382 County, gardener  
Moon John, 35 Acushnet av, second-hand furniture  
Morrison John H. 402 Union, letter carrier  
Morse Leonard H. Sr. 469 Acushnet av, carpenter  
Morse Willard H. 271 Pleasant, dry goods  
Mosher Charles A. 202 Rockland, carpenter  
Mosher Charles H. Rockdale av, ice dealer  
Mosher Frederick W. 219 Fourth, carriage maker  
Moulton Augustus G. 56 Hill, bookkeeper  
Mullaney Michael, 69 South, overseer  
Murphy Dennis E. 186 Division, spinner  
Murphy Edward M. 834 County, clerk  
Murphy Timothy J. 180 So. Second, glass blower  
Myrick Walter R. 13 Eighth, machinist



## LIST OF JURORS.

13

### N

Neal George A. 390 Union, clerk  
Nichols George M. River, butcher  
Nichols Leander P. 49 North, shoe dealer  
Nye Clark D. 87 School, painter  
Nye George E. 195 Acushnet av, machinist  
Nye George H. 323 Cottage, civil engineer  
Nye Obed C. 276 Union, merchant  
Nye Pemberton H. 709 County, merchant

### O

O'Brien John N. 567 Cottage, wood and coal  
O'Connor Frank, 299 County, tailor  
Oesting F. William, 51 Fifth, trader  
Offley John R. 319 Hillman, barber  
Onley Fred H. 147 Smith, clothes cleaner  
Otheman John, 315 Pleasant, hardware

### P

Paddock William C. 445 Cottage, nurse  
Paige James H. Mill road, grocer  
Paine George W. 137 Summer, lime, brick, etc.  
Paine Olin S. 87 State, clerk  
Palmer Ephraim C. 782 Kempton, stair builder  
Parker Frederick, 289 Acushnet av, dealer in powder  
Parker James N. 91 School, salesman  
Parsons George W. 60 Fourth, laundryman  
Parsons Thomas L. 131 Elm, broker  
Pasell Francis H. 257 Mt. Pleasant, florist  
Patnaude Joseph C. 7 Linden, salesman  
Paul John W. 29 Parker, insurance agent  
Paulding John B. rear 176 Grinnell, shoemaker  
Peck Walter B. Clarks Point, pharmacist  
Peckham Frank H. 85 So. Second, teamster  
Peckham Israel H. Tarkiln Hill road, blacksmith  
Peirce David B. 161 Maxfield, painter  
Penney B. Frank, 2 Spruce, printer  
Penney Edward F. 266 County, plumber  
Perkins Andrew W. 141 Cedar, roofing and concrete



Perry Samuel H. 111 Hillman, hat dealer  
Peterson Zephaniah W. 434 Cottage, carpenter  
Phinney Nathan D. 221 Pleasant, gents' furnishings  
Phinney Otis B. 84 Elm, clerk  
Pierce Erskine H. 52 Fifth, mill supplies  
Pierce Lloyd D. 122 Acushnet av, accountant  
Piper Augustus D. 153 Elm, city messenger  
Pope Frank L. 81 School, passepartout maker  
Potter Edwin L. 60 Dartmouth, grocer  
Potter George A. Hathaway road, farmer  
Potter Stephen R. 479 County, clerk  
Potter Sylvanus B. 185 Purchase, master mariner  
Price Charles R. 15 Eighth, treas. N. B. Gas & Edison  
Electric Light Co.

**R**

Randall Charles G. 76 So. Sixth, lumber dealer  
Randall George A. 205 Fourth, lumber dealer  
Raymond Calvin Jr. 104 Smith, expressman  
Raymond Josiah K. 65 Chestnut, retired  
Redpath William J. 183 County, clerk  
Reed Gustavus L. 230 Union, watchman  
Reed Leander, 3 Bay, machinist  
Remington Emerald A. 19 Ashland, painter  
Remington Frank L. 73 Linden, plumber  
Remington John G. 73 Linden, carpenter  
Reynolds Alonzo F. 50 Durfee, car inspector  
Reynolds Edward G. 210 Pleasant, livery stable  
Rexford George P. 68 School, machinist  
Rice Adoniram J. 58 Washington, baker  
Richards George D. 61 Fifth, house furnishings  
Richards William D. 61 Fifth, stable keeper  
Richardson John T. 93 Fourth, medicines  
Ricketson Orion, 146 State, plumber  
Riley Peter J. 109 Austin, boots and shoes  
Robbins William S. 626 County, carpenter  
Ruggles John A. Jr. 145 Summer, salesman  
Russell Allen Jr. w. s. Tobey road, musician  
Russell James A. 37 Parker, grocer  
Russell James B. 90 Elm, book agent

Russell John A. w. s. Tobey road, farmer  
Russell Pardon Jr. n. side Hathaway road, ice dealer  
Ryan Edward T. 958 County, druggist

**S**

Sadler George H. 734 Kempton, carriage trimmer  
Sampson Seth J. 104 State, clerk  
Sanders Henry V. 208 Pleasant, clothing dealer  
Sanford Isaac T. 168 Fourth, foreman  
Sawtelle Frank C. 315 Pleasant, crockery dealer  
Saxon George E. 628 Purchase, operative  
Sayer William L. 76 So. Sixth, editor  
Schuler Jacques, 206 Pleasant, shoe dealer  
Schwall James B. 13 Bonney, clerk  
Searell Charles T. 59 Kempton, carpenter  
Searles Mortimer, 190 Acushnet av, rubber stamps  
Shaw Charles F. 395 Purchase, treas. Street R'y Co  
Shaw Elmer H. 71 Fourth, variety store  
Shaw Stephen E. 94 State, bookkeeper  
Shea Cornelius J. 2 Cornell place, driver  
Sherman James H. 10 Eighth, plumber  
Sherman James L. 43 Mill, lumber dealer  
Sherman John D. w. side Vine, collector  
Shurtleff Israel H. 252 County, druggist  
Shurtleff John R. 31 Lincoln, sailmaker  
Sisson Joseph S. 191 Washington, grocer  
Slade Caleb, 950 Acushnet av, grocer  
Slocum Francis R. 5 Maple, furniture dealer  
Small Lewis C. 91 School, grocer  
Smith Abbott P. 8 Lincoln, real estate  
Smith Emerson, 93 Linden, carpenter  
Smith George, 79 Washington, mill overseer  
Smith Henry W. 27 Seventh, photographer  
Smith Hoyland, 229 Acushnet av, bicycle dealer  
Smith James, 91 County, spinner  
Smith John, 276 Coggeshall, weaver  
Smith Shubael D. Jr. 81 Mill, clerk  
Smith William E. 9 Arch, dye house  
Southwick Arnold W. 3 Court, moulder  
Sowle Forrest B. 629 County, bookkeeper

Sowle Frederick A. 11 Florence, manufacturer  
Sowle Frederick L. 26 Sycamore, hardware  
Spooner Arthur C. 28 Spring, engraver  
Spooner Roswell, e. side Tobey road, farmer  
Spooner William E. 179 Fourth, Nut & Lock Co  
Stanley Ned A. 80 State, dentist  
Stedman Lewis W. 104 Fifth, insurance agent  
Sterritt John H. 24 Purchase, tinsmith  
Stetson George R. 67 Bedford, pres. Gas Co  
Stone Francis H. 35 Arnold, master mariner  
Studley Alfred G. 79 Locust, bookkeeper  
Sullivan Daniel J. 16 Washington, jeweler  
Swift Anderson H. 74 South, carriage trimmer  
Swift Augustus, 75 North, iron foundry  
Swift Edward B. 38 Willis, florist  
Swift Ezra J. 18 Campbell, yeast dealer  
Swift George B. 83 Mill, clothing dealer  
Swift John F. 369 Purchase, accountant  
Swift Orville V. 34 South Ash, music teacher  
Swift Thatcher S. 118 So. Sixth, livery stable  
Sylvia Anthony L. 89 South Sixth, merchant

## T

Taber Arthur K. 141 Summer, clerk  
Taber Edward C. e. side Acushnet av, grocer  
Taber Robert W. 48 Fifth, bookseller  
Taylor George A. 189½ Grinnell, laborer  
Taylor John W. 195 Acushnet av, machinist  
Taylor William H. 128 Fourth, machinist  
Thompson James O. 80 Willis, express messenger  
Thompson Pardon G. 10 So. Sixth, merchant  
Thorley Francis, 515 Rivet, carpenter  
Tilden Andrew, Cottage and Bedford, confectioner  
Tilden Horace, 65 Fifth, confectioner  
Tillinghast Theodore F. 37 Eighth, no occupation  
Tilton Charles C. 396 Purchase, bookkeeper  
Tinkham Elisha B. 75 Chestnut, shoe manufacturer  
Tinkham Otis, Willow cor. Cedar, shoemaker  
Tobey Warren P. 39 Locust, publisher  
Toomey Dennis H. 12 Linden, clerk  
Tourtellot William E. 65 Walden, printer

## LIST OF JURORS.

17

Tripp Alonzo B. 280 Acushnet av, carriage maker  
 Tripp Augustus C. Ashland cor. Linden, grocer  
 Tripp Charles M. 152 Cottage, merchant  
 Tripp Christopher B. 12 Sherman, blacksmith  
 Tripp Edwin I. Kempton and Florence, butcher  
 Tripp Eliphalet A. 62 Shawmut av, agent  
 Tripp Frank G. 82 State, laundry  
 Tripp James H. 10 Allen, clerk  
 Tripp Thomas B. 37 Allen, real estate agent  
 Truman George H. Gammons lane, loom fixer  
 Tucker William A. 6 Orchard, no occupation  
 Tuell Frank P. P. 302 County, market

### U

Underwood Arthur P. 48 Mill, clerk

### V

Viall Walter G. 603 County, manager  
 Vinal Charles H. 56 Foster, accountant

### W

Wade Joseph B. 83 Willis, merchant  
 Waite Charles H. 15 Campbell, real estate dealer  
 Waite Stephen E. 373 Purchase, paper hanger  
 Warren David, 255 State, livery stable  
 Warren Joseph C. 53 County, carpenter  
 Washburn Alanson R. 338 Cedar, grocer  
 Washburn Francis P. w. side Tobey road, carpenter  
 Watkins James B. 20 Allen, druggist  
 Waterman William H. 9 Arch, retired  
 Weaver Thomas H. 1125 Acushnet av, carpenter  
 Wentworth Frank W. 74 Walnut, merchant  
 Wentworth Hiram W. 74 Walnut, merchant  
 West William F. 102 Durfee, painter  
 Whalley Edmund J. 74 Washington, Pairpoint Mfg Co  
 Wheaton Ernest A. 164 Chestnut, bottler  
 Whiting Edward B. 39 Lincoln, merchant  
 Whittaker Edwin, 138 State, agent  
 Whittaker Henry, 643 Purchase, doffer

Wilbur Noah H. e. side Tobey road, lumber dealer  
Wilde Albert, 441 Pleasant, newsdealer  
Willis Henry P. 52 Seventh, clerk  
Willis Rufus H. 369 Cottage, shoemaker  
Williston Leander A. 72 South, carpenter  
Wing Charles F. 37 So. Sixth, merchant  
Wing John, 24 So. Sixth, merchant  
Wood Edwin B. 95 Washington, engraver  
Wood Charles H. 245 Purchase, janitor  
Wood George, 49 So. Emerson, tinsmith  
Wood George R. 76 Walnut, lumber dealer  
Wood James Augustus, 91 State, carriage maker  
Wood William G. 100 Bedford  
Wood William H. 546 County, merchant  
Wrigley James, 942 Acushnet av, overseer

**Y**

York George A. 70 Russell, insurance agent  
Young Frank, 21 Ashland, retired  
Young James A. 63 No. Second, bookkeeper







# CITY OF NEW BEDFORD.

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## ORDINANCES.

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In the Year One Thousand Eight Hundred and Ninety-six.

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### AN ORDINANCE

RELATING TO THE FIRE DEPARTMENT.

*Be it ordained by the City Council of the City of New Bedford as follows:—*

SECT. 1. The fire department shall consist of a chief engineer, four assistant engineers, and the several companies now existing, and which may from time to time hereafter be established by the City Council.

SECT. 2. There shall be appointed at the commencement of each municipal year a joint standing committee on the fire department, to consist of two aldermen and three members of the common council, whose jurisdiction shall extend to matters relating to this department.

SECT. 3. There shall be chosen by the City Council in convention in the month of April, in the year 1898, and in the month of April every fifth year thereafter, a chief engineer of the fire department, who shall, subject to the provisions of section 5 of this chapter, hold his office for the term of five years, and until another is elected in his stead.

SECT. 4. There shall be chosen by the City Council in convention in the month of April in the year 1896, a first assistant engineer for the term of three years, a second assistant engineer for the term of two years, a third assistant engineer for the term one year, and a fourth assistant engineer for the term of four years. And annually in the month of April thereafter there shall in like manner be chosen for the term of four years, and until another is elected in his stead, an assistant engineer of the rank of the assistant engineer whose term of office has expired.

SECT. 5. Said chief engineer and assistant engineers, or either of them, may be removed for cause by concurrent vote of the two branches of the City Council, and all vacancies in said offices may be at any time filled for an unexpired term in the manner provided in the last two preceding sections. No assistant engineer shall be absent from the city for a longer period than twelve consecutive hours without first having secured the permission of the chief or acting chief engineer, and such absence without permission shall be sufficient cause for removal.

SECT. 6. The engineers so chosen shall constitute the Board of Engineers, and shall forthwith proceed to organize as such, and may appoint a clerk and all other needed officers, whose compensation shall be determined by the City Council. The chief engineer shall preside over said Board, and a majority thereof shall be a quorum. They shall make such rules and orders as may be necessary for their government as such Board, and such rules and regulations in addition to this ordinance for the government, discipline

and good order of the department and for the extinguishment of fires as they may from time to time think expedient, subject to the approval of the City Council.

Such Board shall be responsible for the discipline, good order and proper conduct of the whole department; shall have the care and control of all houses, engines, horses, apparatus, and all property of the department, including the fire alarm telegraph; and shall keep all such property in a condition for prompt and efficient action and use.

Whenever any alterations, additions or repairs may be required to the houses or other property of the department, said Board through the chief engineer shall cause them to be made, under the direction of the committee on the fire department: provided, however, that no greater amount than two hundred dollars shall be expended therefor without the sanction of the joint standing committee on the fire department, nor greater than five hundred dollars without the previous order of the City Council.

Neither of the limitations of this section shall prevent the Board of Engineers or the joint standing committee on the fire department, with the consent of the Mayor, from authorizing any expenditure for the purposes of the department, necessary for the safety of the city in a time of fire or immediate danger from fire.

SECT. 7. The chief engineer shall be the head of the fire department, and all persons connected with the department in any capacity shall be under his supervision and control, and he shall be prompt in the exercise of the authority vested in him by law and ordinance to secure proper subordination and faithfulness, and he shall have the sole control and command at fires, with authority to require the assistance of all persons.

In the absence or disability of the chief engineer, all his powers and duties shall devolve upon the assistant engineer highest in rank.

The captain of each company, immediately on his arrival at any fire, shall report to the engineer in command, and shall remain by his company and the apparatus of which he has charge during the fire, to preserve order, to see that the members of his company are faithful to duty and are not interrupted in their operations. But should no engineer be present, the officer in command of the company which first arrives at a fire shall have charge at such fire until an engineer is present.

The chief engineer shall keep a record of the name, occupation, residence, and date of admission and discharge of each member of every company of the fire department.

He shall also keep a record in detail of all property of each company of the department, and all spare and other property of the department.

He shall keep a record of all fires and alarms of fires occurring, and annually in the month of December, he shall make report to the City Council of the condition and extent of the fire department and its operations for the year.

Such reports shall state what unnecessary and unserviceable property may be disposed of to advantage, give a transcript of his record of fires and alarms of fires, and the value of the property destroyed. He shall recommend such alterations, changes or repairs to the property of the department as he may deem necessary.

SECT. 8. The enginemen, hosemen and hook-and-ladder men of the department shall be appointed by the Mayor and Aldermen, and shall be at least twenty-one years of age and legal voters resident in the city.

All members of the present existing companies, and all who may be hereafter appointed, shall continue in service until discharged therefrom by competent authority, and every member shall upon his appointment receive a certificate of membership from the City Clerk.

Any officer or member who shall wilfully neglect or refuse to perform his duty, or become in the judgment of the Board of Engineers incapacitated from age or other cause to properly perform his duty, or shall be guilty of disorderly conduct or disobedience to his superiors in office, shall be discharged from the service by the engineers at any meeting of the Board; and the member thus discharged shall, within forty-eight hours thereafter, be notified thereof in writing by the clerk of the Board, who shall also within the same time notify the Mayor and Aldermen of the proceedings in the case by a notice left with the City Clerk.

The number of members belonging to the respective companies shall be as follows :

To any hand-engine that may be in use in the department, as many men as the City Council may consider necessary.

To each of the steam-engine companies in active service, twelve men.

To each of the hose companies, eight men.

To each hook-and-ladder company, twelve men.

To the Protecting Society, seventy-five men.

The officers of each company shall be a captain, first and second lieutenant, and clerk.

Each of the companies composing the department, respectively, may adopt such rules and regulations for its government, not inconsistent with State law or municipal ordinances, as it may think proper, subject to the approval of the Board of Engineers and to the control of the City Council.

And each company shall annually, in the month of May, choose its own officers, subject to the approval of said Board of Engineers, who shall hold their respective places until removed or others shall be chosen in their stead.

If any officer chosen by either of the companies of the



department shall not be approved by the Board of Engineers, the fact of such disapproval shall be entered upon the records of the Board, and notice thereof shall forthwith be given in writing to the clerk or captain of such company, or in case neither of these last named officers shall be approved, to either of the lieutenants.

The persons who may thus fail of approval shall not be a second time elected for the same office without the previous consent of the Board of Engineers.

The election of the officers of the several companies shall be forthwith communicated to said Board of Engineers, in writing, by the clerk or by either of the other officers of the company. Should any vacancy occur, said Board shall in the same manner be informed thereof, and should there be a refusal or unreasonable neglect on the part of any company to make choice of such officers as said Board of Engineers shall approve or to fill the vacancies that may occur, for the space of two weeks, such officers may be appointed by said Board of Engineers from the members of the company, the officers thus appointed to hold their respective places until an election shall take place in accordance with the regulations of the company.

SECT. 9. There shall be attached to each steam fire engine, in addition to the members of the company thereto belonging, one engineer of steamer, one stoker, one hostler, one reel driver, and two substitutes.

There shall be attached to each hook-and-ladder company, in addition to its members, unless otherwise ordered by said Board of Engineers, one driver, one tillerman and two substitutes.

There shall be attached to each hose company, in addition to its members, unless otherwise ordered by the Board of Engineers, one driver and one substitute.

And the said Board of Engineers shall have power to appoint any other permanent men who may be needed for the efficiency of the department.

And all such persons shall be appointed by said Board of Engineers and be removable at their pleasure, and shall discharge their respective duties in accordance with the directions of said Board.

SECT. 10. It shall be the duty of the several captains to preserve order and discipline at all times in their respective companies, and require and enforce a strict compliance with the city ordinances, the rules and regulations of the department, and the orders of said Board of Engineers.

They shall forthwith report in writing to said Board of Engineers the name of any member or members who shall be guilty of a neglect of duty or a disobedience of orders.

The captain shall keep, or cause to be kept by the clerks of the respective companies, fair and exact rolls of the companies under their charge, specifying the time of admission and discharge of each member, together with his age, residence and occupation, and number of badge; and a record of all the city's property under their immediate care, in a book or in books adapted to the purpose, to be provided at the expense of the city; which rolls and records shall at all times be subject to the inspection of the Mayor and Aldermen and said Board of Engineers

They shall report to the chief engineer such rolls and records, whenever required so to do by any regulation of said Board of Engineers, or by the written order of said chief engineer.

The first and second lieutenants shall discharge such duties as may be assigned them by any regulations which may be made by said Board of Engineers. In the absence of the captain, the first lieutenant, and in his absence the



second lieutenant, shall exercise the authority and discharge all the duties of that officer.

The clerks shall, under the direction of the captains of the respective companies, keep all such records, prepare all such rolls, and make all such returns as may be required of them by the captain or by said Board of Engineers.

SECT. 11. No company shall leave the city in case of fire in a neighboring town, except with the consent of the chief engineer.

No company, with or without its engine and apparatus, shall leave the city on an excursion without the permission of the Board of Engineers, and that permission shall state the time allowed for such absence, and shall be limited to one company at one time.

SECT. 12. The chief engineer, whenever any officer or member of the fire department shall sustain corporal injury or contract sickness in the discharge of his duty as an officer or member of said department, may report the same to the City Council, with all the facts in the case, for such action as may seem to be called for under the law establishing the fire department of the city.

SECT. 13. The houses occupied by the several companies shall be for the use of the members of the companies only, and shall be exclusively used by them, unless the Mayor and Aldermen shall grant the use of a room not containing any part of the apparatus of the company for a temporary purpose.

No gambling shall be allowed in any building used by any company in the fire department, nor shall any intoxicating liquors be used therein.

SECT. 14. The chief engineer and each assistant engineer shall be paid such compensation as shall annually be fixed by the City Council, which shall be in full for all services rendered by them in their official capacity.

The compensation of the members of the several companies of the fire department shall be determined from time to time by the City Council, to be paid semi-annually.

The pay of all persons employed by the Board of Engineers under the authority conferred by this chapter, as engineers of steamers, stokers, hostlers, &c., shall be fixed by said Board, and may be changed from time to time at their discretion, and shall be paid weekly.

In case of the temporary absence from the city of any member of a company belonging to the department for one day or more, he shall provide a substitute to be approved by the captain of his company, whose name he shall return to the clerk of the same; failing in which he shall forfeit one month's pay, provided the same may be due him up to the time of such absence, and such substitute shall receive compensation at the same rate as the member for whom he serves; the sum of which compensation shall be deducted from said member's pay.

The rolls for the payment of each of the engineers, members of companies, and all employes of the department shall be prepared by the chief engineer, or under his direction.

And said rolls for the Board of Engineers and of members of the respective companies, and for the employes, shall be separate, the payments to the several companies being so arranged as to time as to make the preparation of the rolls and the payment by the treasurer without delay or inconvenience.

In making out the company rolls there may be deducted from the pay of any member such fines as may have been imposed upon him under the regulations of said company, approved as set forth in this chapter, and the aggregate of the fines due from the members whose names are on the roll shall be added thereto, and the sum of them paid to

the person who shall be certified as entitled to receive the same.

Any person discharged from a company shall be entitled to receive the pro rata pay that may be due him at the time of his discharge, and shall be entitled to receive from the chief engineer, signed by him and countersigned by the clerk of the Board of Engineers, a certificate setting forth the fact of his discharge and the amount due him, upon which he shall have an immediate claim upon the city to be audited and paid as provided in case of other demands.

SECT. 15. As a part of the fire department, there shall be an association to be called the Protecting Society, to consist of seventy-five members, whose duty it shall be to remove from any building on fire, or in danger thereof, furniture, goods or merchandise, and to guard and protect the same.

The members of this association, when qualified so to do according to the laws of the Commonwealth, shall take all proper measures for the prevention and suppression of tumults, disorders and thefts.

This association shall have a president, eight directors, secretary and treasurer, who shall be chosen annually by the members, and they shall hold their respective offices until removed or others are chosen in their stead.

The said association shall have the right to make rules and regulations concerning the respective duties of the several officers and members, and also the conduct and management of its affairs, with power to impose fines and penalties upon its members, which rules and regulations shall be subject to the approval of the City Council.

Said society may make such regulations as may be necessary for the admission and discharge of members, but no person shall be considered a member and entitled to the privileges and exemptions which such membership confers, who has not been approved by the Mayor and Aldermen.

The compensation of the members of the Protecting Society shall be two dollars per annum, to be paid annually, provided however that the said secretary shall receive for his services such further compensation not exceeding twenty-five dollars per annum as said society may by vote determine; and provided, moreover, that the said treasurer shall receive for his services such further compensation not exceeding twenty-five dollars per annum as said society may by vote determine.

The members of this association shall be considered members of the fire department in accordance with the provision of the "Act for the better organization of the Fire Department in the City of New Bedford," approved by the Governor May 5, 1852, and shall enjoy all the exemptions and privileges accorded to members of the fire department by said act.

SECT. 16. The Board of Engineers shall have the care and management of the rooms, apparatus and machinery connected with the fire alarm telegraph.

The chief engineer shall be superintendent of the fire alarm telegraph; to whom, without additional compensation, under the general direction of the Board of Engineers, the immediate care, supervision and management of the fire alarm telegraph shall be intrusted.

The Board of Engineers shall appoint an assistant superintendent, who shall, under the direction of the superintendent, perform such duties as may devolve upon him under the regulations of said Board or by the order of the superintendent.

The compensation of such assistant shall be fixed by the Board of Engineers, subject at any time to such action as the City Council may think proper.

The Board of Engineers may, from time to time, make such rules and regulations as they may deem necessary for the efficient working of the fire alarm telegraph.

All rules made by the Board of Engineers in accordance with the authority conferred by this section may be amended or abrogated at the pleasure of the City Council.

No person not duly authorized shall open any of the signal boxes connected with the fire alarm telegraph, except in case of fire; interfere in any way with said boxes by breaking, cutting, injuring or defacing the same; or tamper or meddle with said boxes, or any part thereof; nor shall any person interfere with the wires of the fire alarm telegraph, or with the poles by which they are supported, by injuring or defacing the same, or by posting placards or bills upon them, or in any other manner injure or interfere with the fire alarm telegraph or any portion thereof.

Any person found guilty of violating the provisions of this section, in relation to interfering with or in any way injuring any part of the apparatus of the fire alarm telegraph, shall be liable to a penalty of not less than five nor more than fifty dollars for each offence.

SECT. 17. It shall be the duty of the Board of Engineers of the fire department or any member of such Board to examine all places where shavings or other combustible materials be collected or deposited, and require the same to be removed by the owners or occupants of such places, and at their expense, whenever in the opinion of said Board, or any member thereof, the security of the city against fire shall require it.

In case the owner or occupant of any place or building where such accumulation of shavings or other combustible material may be found, shall refuse or neglect to remove such accumulation when directed so to do by a member of the said Board of Engineers, the removal shall be forthwith made at the expense of such owner or occupant, who shall, in addition be liable to a penalty not exceeding twenty dollars for such refusal or neglect; and any person who shall interfere with or in any way obstruct said



Board of Engineers, or any of them, or any person authorized by them or any of them, in carrying into effect the provisions of this section, shall also be liable to a penalty not exceeding twenty dollars.

SECT. 18. No person shall keep any ashes in any vessels made of wood; nor set on fire, between sunset and sunrise, any straw, shavings, or other combustible materials, in any street, lane, alley, or other public place in the city.

No person within the limits of the city shall erect or maintain any defective chimney, hearth, oven, stove, stove pipe, fire frame, furnace, or other fixtures used for a like purpose, or shall keep within his premises any mixture which may produce spontaneous combustion.

The chief of police or either of his subordinates, and the chief engineer or either of the assistant engineers, may enter any premises where they may have cause to believe the occupants are guilty of a violation of this section, and the owners thereof and occupants shall allow to said officers such access to said premises as a due inspection thereof may require.

SECT. 19. Whenever it shall be adjudged necessary by the chief engineer or acting chief, for the protection of property or the fire alarm system, he shall have the same power over all electric plants in the city as is now given him under the statutes during a fire.

SECT. 20. Any person who may be found guilty of violation of any of the provisions of this chapter shall forfeit and pay a sum not exceeding twenty dollars for each offence, except in cases where the penalty for a violation of any particular provision shall be fixed in connection with the same.

SECT. 21. Chapter XI of the ordinances and all other ordinances and parts of ordinances inconsistent herewith are hereby repealed.

SECT. 22. This ordinance shall take effect upon its passage.

IN BOARD OF ALDERMEN, February 13, 1896.

Passed to be ordained.

DAVID L. PARKER, Mayor.

IN COMMON COUNCIL, 2 mo. 13, 1896.

Passed to be ordained.

ARTHUR L. BLACKMER, President.

Approved February 13, 1896.

DAVID L. PARKER, Mayor.

A true copy. Attest:

DANIEL B. LEONARD, City Clerk.



In the Year One Thousand Eight Hundred and Ninety-six.

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## AN ORDINANCE

RELATING TO THE OFFICE OF CITY ENGINEER.

*Be it Ordained by the City Council of the City of New Bedford, as follows:—*

SECTION 1. The City Engineer is hereby authorized to contract, in his own name, with the County Commissioners of Bristol county, for the performance by him of such work as may be desired by the County Commissioners in relation to and concerning the highway bridge and approaches, to be located and constructed by the Commissioners, in pursuance of the Act of 1893, chapter 368, and Acts amendatory thereof.

The provisions of section one of an ordinance entitled "An ordinance defining the duties of the City Land Surveyor," approved December 9th, 1893, and the provisions of an ordinance entitled "An ordinance changing the name of City Land Surveyor to City Engineer," approved March 15th, 1895, to the contrary notwithstanding.

IN BOARD OF ALDERMEN, March 26, 1896.

Passed to be ordained.

DAVID L. PARKER, Mayor.

IN COMMON COUNCIL, 3 mo. 26, 1896.

Passed to be ordained.

CHARLES H. L. DELANO,  
President pro tempore.

Approved March 28, 1896.

D. L. PARKER, Mayor.

A true copy. Attest:

DANIEL B. LEONARD, City Clerk.









